

THE BULLETIN

FEBRUARY 28, 1994 ~ 47TH YEAR ~ NUMBER 13

Federal Budget Brings Good News, Bad News

BY ALFRED HOLDEN

THE FEDERAL LIBERAL GOVERNMENT'S first budget has given to universities with one hand and taken away with the other.

The major granting councils, which contribute more than \$90 million a year to research at U of T, were spared from Ottawa's budget axe. Funding to them will remain the same in 1994 and increase slightly starting in 1995.

However, caps on transfer payments to the provinces are expected to hit university operating budgets hard. Transfers to Ontario will nowhere near meet growing social assistance costs caused by the recession. The result will be a revenue shortfall that may force the province to make cuts elsewhere including education. Ontario education minister Dave Cooke has warned universities to anticipate reduced funding and higher tuition fees.

President Robert Prichard said the federal budget is a mixture of "both encouraging and discouraging ele-

ments" for the University. The exemption of the granting councils from cuts is positive, he said in an interview. But Ottawa's caps on transfers to the provinces continue to exact a toll.

"The latter years of the Mulroney government witnessed alterations in Canada's federal-provincial fiscal arrangements which were highly disadvantageous to Ontario and this budget perpetuates that unfairness and inequity," Prichard said. But even when times were better economically, Ontario's Conservative, Liberal and NDP governments failed to pass through all the funding increases slated for universities, he noted.

It is "simply intolerable at this point to now look to the universities to pay a further price," he said. "We'll be urging the provincial government to find its answers outside the university sector."

Ministry of Education & Training spokesperson Michel Rodrigue said Prichard can expect to receive word on funding and tuition fees from the

province within the next few weeks.

Fees at provincial colleges and universities increased seven percent last year and by the same amount the year before. Arts and science stu-

dents who are residents of Canada now pay \$405 per course at U of T, international students, \$1,528. In engineering, program fees for Canadian residents are \$2,194; for

international students, \$12,454.

In Ottawa the three major federal granting bodies — the Medical

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FLOWING RHYTHMS



Dahlia Obadia accompanied by the three-person Traditional Arabic Music Ensemble performs a 19th-century Arabic dance at the George Ignatief Theatre Feb. 18. The program, *Return to Andalusia*, featured contemporary, folk and classical music played on Arabic instruments — the qānūn, 'ud and darabukka. The concert, sponsored by the Centre for Medieval Studies, was run in conjunction with the centre's annual conference.

U of T, OISE Prepare for Negotiations

THE UNIVERSITY IS DEVELOPING a blueprint to show how its Faculty of Education might look if the Ontario Institute for Studies in Education (OISE) is integrated with U of T.

A clear picture of how the University's undergraduate studies in education could fit with OISE's graduate program will be vital to both sides in upcoming negotiations, said Provost Adel Sedra in an interview. The institutions named their negotiating teams last week; a date has not yet been set for the first meeting.

No one, Sedra said, should interpret U of T's plans as an attempt to dictate the terms of any transfer of resources from OISE. "There is no intent on our side at all to bully them or anything of the sort," he said.

His remarks appeared to be aimed at easing rising anxiety at OISE where a wait-and-see attitude among faculty, staff and students gave way to fears that jobs and programs would be lost.

Arthur Kruger, the institute's director, said tentative support for a merger evaporated when "it looked like the U of T was telling us, 'You folks close the place down and we'll hire whoever we like.'" He said he believes the University's actual position "is quite different from that." But the perception, boosted by negative comments made about the institute by U of T faculty, has "created panic and hostility," he said.

Sedra, who told Academic Board Feb. 10 that job losses would be likely in a merger, said U of T is trying to be up front about the prospects for OISE staff and programs. The University would offer employment contracts to some OISE faculty and instructors specializing in sociology, history and other fields when positions open up at U of T.

Sedra does not envisage U of T absorbing all of OISE. "How big a part will we take? I don't know how big a part." He said the Faculty of Education will have to closely examine the possible results of a merger and the impact on its departmental structure. "We have to see the fit, where OISE would fit."



Arthur Kruger

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Q & A

VISION OF THE FUTURE

Difficult choices today, stronger University tomorrow

BY SUZANNE SOTO

PLANNING FOR 2000: A PROVOSTIAL WHITE Paper on University Objectives, published as a special edition of The Bulletin Feb. 21, is a guide to academic planning for 1994-2000. Co-written by Provost Adel Sedra and Vice-Provost Carolyn Tuohy, the paper is the development of four reports published earlier on enrolment balance, tri-campus planning, the administration of progress-through-the-ranks (PTR) and the health sciences.

BULLETIN: The white paper suggests a six-year planning exercise that will link academic plans to the University's budget. Why is this necessary?

SEDRA: There is nothing magic about the six-year figure but we do want a long-term plan. It has to be long enough to allow for changes in enrolment policy, for an orderly transition to a new level of funding and to accommodate retirements and other staff attrition. We also want the transition to be as painless as possible. The idea is to take hold of our future and decide what direction we want to go. Planning is important at all times, but it is imperative at times of financial constraint.

BULLETIN: The white paper is based on several reports written over the past year. Why were these particular areas examined?

SEDRA: Enrolment policy is one of the most important aspects in a university. Enrolment, budget, complement — those are the three things that you have to look at

when planning for the future.

TUOHY: In looking at enrolment balance, we considered what the balance should be across undergraduate, graduate and professional programs. As commissioner I consulted widely across the campuses and found there was a qualified enthusiasm for moving to a somewhat larger proportion of our enrolment at the graduate level. I also heard that there were a number of constraints on expanding; what the enrolment balance report did was to look at those constraints and how they might be relaxed. We examined tri-campus planning because it was felt that if we were to make better use of our resources, we had to look at the relationship of the three campuses.

SEDRA: In terms of the PTR report, we have a unique system for compensation of faculty members. Apart from economic increases, which everybody gets, PTR increases at this university are based solely on merit. In many other places you get something for just being there year after year. We wanted to see whether our practices in administering and distributing these funds is as effective as it should be. The report on the future of the health sciences is not responded to in the white paper because it deals with something very specific to the health sciences. I am planning a separate response to it.

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IN BRIEF



Debaters win top spot

TWO U OF T STUDENTS PICKED UP THE TOP PRIZE IN THE NORTH American University Debating Championship earlier this month at Dalhousie University. Randy Cass, a first-year law student, and Avery Plaw, who is working on his master's degree in political science, formed one of four teams that Hart House sent to the event. They debated against 65 teams from colleges and universities across North America. This is the second year in a row that a team from Hart House has won the championship. Plaw was chosen top individual debater and Cass placed fourth in the public-speaking competition.

Paintings stolen

U OF T POLICE ARE INVESTIGATING THE THEFT OF THREE PAINTINGS from the School of Architecture & Landscape Architecture at 230 College St. The three watercolour paintings, valued at \$2,250, were on display in the school's art gallery. Part of an exhibit entitled Prague: Secret Fire and depicting various scenes in downtown Prague, the pieces are the work of American artist Peter Brown. Sgt. Len Paris of the campus police said the theft occurred between Feb. 11 and 21.

Liquor sales legal

THE LIQUOR LICENCE BOARD OF ONTARIO (LLBO) HAS CONFIRMED that U of T's liquor sales arrangement is legal, says David Neelands, assistant vice-president (student affairs). Last fall the Students' Administrative Council (SAC) charged that the University was profiting from beverage sales at student events and the LLBO reviewed the issue. It has approved a draft agreement between the University and SAC and the two parties are expected to sign it by the end of March, said Neelands. The agreement does not allow SAC to have its own liquor licence as it wishes. Meanwhile the role of the Campus Beverage Service is under review and could result in changes to the way alcohol is sold on campus. A discussion paper has been distributed to members of University Affairs Board and the matter is scheduled for the board's agenda next fall.

Baines named medicine vice-dean

PROFESSOR ANDREW BAINES, CHAIR OF THE DEPARTMENT OF CLINICAL Biochemistry, takes on additional duties July 1 when he begins a five-year term as the Faculty of Medicine's first vice-dean (education). The appointment puts Baines in charge of all education programs in the faculty and its relations with other institutions and University divisions. Baines, who joined U of T in 1963, specializes in the interaction of the kidney and the nervous system. He will remain biochemist-in-chief at The Toronto Hospital and consultant to Wellesley and Sunnybrook hospitals. In announcing the appointment, Dean Arnold Aberman of medicine said Baines has made "exceptional and numerous" contributions to his field and to U of T.

Epstein awarded Frisch medal

PROFESSOR LARRY EPSTEIN OF THE DEPARTMENT OF ECONOMICS has been awarded a Frisch medal jointly with U of T graduate Stanley Zin, now an assistant professor at Carnegie-Mellon University in Pittsburgh. The award from the Econometrics Society, given for the first time outside the US, recognizes an article co-written for *Econometrica*, the society's journal of mathematical economics. The paper outlines new methods of using mathematics to predict economic behaviour. "Larry is an exceptional economist, undoubtedly one of Canada's top research economists at this point," said Professor Gordon Anderson, chair of the department. "We are absolutely delighted. It is an honour and we are trying to bask in the reflected glory."

Hauer receives safety award

PROFESSOR EZRA HAUER OF THE DEPARTMENT OF CIVIL ENGINEERING has received the 1993 Transportation Safety Award for long-term contributions to transportation safety and education. The award is presented by the Transportation Safety Council of the Institute of Transportation Engineers in Washington. The ITE is composed of 11,000 transportation engineers and planners in more than 70 countries.

Swap till You Drop

DOES ANYONE IN YOUR DEPARTMENT need a desk, chairs or filing cabinets? Before placing an order with purchasing, you might want to visit U of T's new furniture swap shop.

Operated by facilities and services' waste management department, the recently opened shop is a used materials exchange depot containing mainly older, surplus furniture donated by various campus units. The warehouse, in the basement of the South Borden Building at 487 Spadina Ave., is open every Wednesday from noon to 3 p.m.

Among some items recently spotted were office partitions, metal and wooden desks, plastic and wooden chairs, bookcases and tables.

"This is another of our programs that emphasizes the four Rs — reduce, reuse, recycle and rethink," said Michael Heron, acting waste recycling coordinator. "We're promoting the idea that instead of throwing things out, they can be made available to the rest of the U of T campus."

The articles are free to staff, faculty or students but are meant for campus use only. University members can

select items by tagging them and picking them up within two weeks.

Anyone who wants to donate articles should first call the recycling office at 978-7080. Staff will stop by to determine if the shop will accept the item. "A computer that is not working is of no use to anybody and there are other people who recycle computer parts," Heron explained. "We want to be able to move the stuff in the shop and not just stockpile it for months on end."

Costs for pickup and delivery of items are the responsibility of individuals.

Federal Budget

Continued from Page 1 ~
Research Council (MRC), the Natural Sciences & Engineering Research Council (NSERC) and the Social Sciences & Humanities Research Council — were prepared for the worst. But the budget states



Heather Munroe-Blum

the granting councils "have been excluded from budget cuts and their budgets will increase at 1.5 percent a year after next year."

The federal government, it notes, expects this decision will promote innovation in Canada. In the spring the government will release a comprehensive review of federal spending on science and technology.

Professor Heather Munroe-Blum, vice-president (research and international relations), said the "reaffirmation of the commitment to R&D is a very positive sign."

Arnet Sheppard of NSERC noted his organization is very pleased its funding has been protected. "In comparison with other departments we've been doing pretty well." Denis Saint Jean of MRC said the council believes "the government recognizes the importance of research by not chopping."

Most years U of T ranks as a top

beneficiary of the Canadian granting councils. In 1992-93 it received \$42.3 million in grants and scholarships from NSERC; in 1993-94 it received \$3.4 million from SSHRC and \$46.3 million from MRC.

Not all federally supported R&D projects fared well in the budget. The government axed the huge KAON physics project in BC, whose size and scope had made it the target of criticism within the scientific community. It was not known at press time if the cancellation will affect research at U of T. But Prichard expected that it "will be a disappointment and setback to certain of our high-energy physicists."

Marty England, a planning officer with the office of the assistant vice-president (planning), said the University will realize savings as a result of the federal budget's rollback of employers' contributions to unemployment insurance.

UofT, OISE Ready

Continued from Page 1 ~
The plan U of T will take into negotiations may help by showing what might happen before it happens, Sedra said. "I have spoken to the Academic Board about designing a new Faculty of Education that covers the spectrum from teacher training to a doctoral program. We are trying to sketch what this education faculty would actually look like. Otherwise we will just be arguing in abstractions."

OISE has recently been struggling with a budget deficit of almost \$4 million, which forced it to cut back programs. On Feb. 3, Ontario education minister Dave Cook asked U of T and the institute to enter merger talks, with a view to saving money and improving teacher education and research. He gave them until June 30 to come up with a merger proposal.

Teams Named

THE NEGOTIATING TEAMS that will try to reach an agreement on the possible merger between U of T and the Ontario Institute for Studies in Education (OISE) have been named.

A five-member group representing U of T will be headed by Professor Stefan Dupré of the Department of Political Science. He will be joined by Professors Michael Finlayson, vice-president (human resources); Anne Millar, associate dean (field services and research), Faculty of Education; and John Britton, associate dean, Division II, School of Graduate Studies; and Dan Lang, assistant

vice-president (planning).

OISE's seven-member team will be led by Angela Hildyard, assistant director (field services and research). The other negotiators are Clive Beck, chair of the Department of History & Philosophy of Education; Paula Bourne, coordinator of the Centre for Women's Studies in Education; Alister Cumming, head of the Modern Language Centre; Jane Knox, vice-chair of OISE's board of governors; Malcolm Levin, assistant director (academic); and Carol Golench, vice-president of the Graduate Students' Association.

UNIVERSITY ~ OF ~ TORONTO

THE BULLETIN

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VISION OF THE FUTURE

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BULLETIN: The white paper says we need to strike a better graduate-undergraduate student enrolment balance. Why? How will this be achieved?

SEDRA: We are not calling for a better graduate-undergraduate student enrolment balance in the white paper. We do say that if we achieve a number of the objectives in the white paper, this probably will lead to an increase in the number of graduate students and therefore to a slight change in the balance. But we are not advocating a reduction in undergraduate enrolment and we specifically said we are not going to set out as an objective changing the balance because in itself this is not that important an issue.

BULLETIN: The white paper asks each division to consider developing professionally oriented master's programs directed towards the application of knowledge in areas of social, cultural, political and economic concerns. Are you asking divisions to make their education more marketable to prospective employers?

SEDRA: This recommendation is in line with broadening the spectrum of the graduate programs that we already offer. Some of this will be a repackaging of existing programs and courses to make them more accessible and applicable to certain areas. We are, however, resisting pressures to "corporate." For example, when we talk about restructuring our areas of study, you won't find "employability of graduates" as one of the criteria. You do not see words like "relevance" of programs to economic conditions. We are not changing the nature of the University from its emphasis on the pursuit of knowledge and fundamental inquiry. There is no question that there are some courses and programs that are highly sensitive and responsive to societal demands and will remain so. But we are definitely not advocating that every program in the University should move in that direction.

BULLETIN: All three campuses are being encouraged to demonstrate that it is possible to "do better differently." What do you mean by this and how would it be achieved?

SEDRA: We mean that the three campuses should not be clones of one another. Each should have a distinctive personality and attempt to offer a somewhat different array of programs without compromising quality. We want to encourage distinctiveness.



Provost Adel Sedra and Vice-provost Carolyn Tuohy examine the white paper that will guide academic planning.

BULLETIN: The white paper makes various recommendations about PTR. Have the rules changed in awarding PTR?

SEDRA: All we are advocating is an improvement in the administration of the PTR system. We picked the best practices from some departments and we are pointing them out saying, "This is how the PTR system is supposed to operate" and encouraging other parts of the University to adopt these practices.

BULLETIN: The white paper states that "it should not be possible for a faculty member to have, on a regular basis, time released from teaching to pursue research." Why not?

SEDRA: We would like our best researchers to be exposed to our undergraduate students on a regular basis. All we are saying is that a good research university should make sure that its top researchers are exposed to undergraduates because that is why students are coming here rather than going to a small liberal arts college. This point is not intended to be punitive. It's also not the case that we believe it is a bad thing for faculty to devote more time to research. It is a good thing and no doubt will result in greater research output. But we are trying to strike a balance.

BULLETIN: The white paper calls for an enhancement of the role of the constituent and federated colleges. Why?

TUOHY: We think U of T's colleges have a very important role to play in undergraduate student life. This is a very large and diverse institution but that size can be a disadvantage for undergraduate students. The colleges are a very good way of creating communities of scholarship and student life within the broad University. In the white paper we suggest that colleges,

in terms of their academic roles, focus on a limited number of distinctive interdisciplinary programs. However, we also say that colleges have a crucial role to play in what we've called the "para-academic and extracurricular services." These services are unique. It is important that there be a common core of these services that students can expect from their colleges. The underlying goal is to improve and enrich the undergraduate student experience.

BULLETIN: The white paper suggests that all divisions start fund raising — don't they do this now?

SEDRA: Fund raising is happening now. What we are advocating are improvements in our efforts. A number of major gifts officers have been hired and are being funded from the Academic Priorities Fund.

We also are saying that if a division has a particular project of high academic priority and wishes to raise funds for it privately, we will assist them in doing that. The important point is that we want to tie our fundraising activities to our academic priorities and that in all cases it is the academic priorities that will drive the fund raising.

BULLETIN: Academic administrators are being asked to examine their divisions and set priorities. When would they have to submit plans to you?

SEDRA: We don't think of the process as one of us sitting here, waiting for our colleagues to walk through the door with the plans. Rather we think of the process as one of partnership, that we will be working throughout the next few months with the deans in developing their plans. We hope to have some of these plans completed by the end of 1994 for more or less immediate implementation.

BULLETIN: Where does the white paper go from now?

SEDRA: The white paper is in draft form. We are hoping to engage the University community in discussions and debate and as a result whatever revisions are needed to the paper will be carried out. Then the paper will be a guide to the academic divisions in formulating their plans. This doesn't mean every division will have to work on every objective but we have to align programs and develop plans that help the University achieve as many of these objectives as possible so this is phase two of the process. Phase one was last September when we initiated the process. Phase three will be working with the deans and principals on formulating their plans and achieving their goals.

White Paper on Planning Receives Support, Criticism

BY SUZANNE SOTO

DESPITE SERIOUS QUALMS about how U of T will cope with academic program restructuring, Academic Board has endorsed the provost's white paper on planning.

The board pronounced its support for the general principles of Planning for 2000: A Provostial White Paper on University Objectives on Feb. 24. Before the meeting the document was discussed by two committees of the board — academic policy and programs and planning and priorities.

"We found the document surprisingly hopeful in the face of the dismal budget conditions facing the University," said Professor Ray Cummins of Erindale College, chair of academic policy and programs. Professor James Burke of the Department of Spanish & Portuguese and chair of planning and priorities said his committee's overall reaction to the paper was "extremely positive."

Nevertheless Cummins and Burke said, questions about key portions of

the report were raised by both committees. Members were concerned about such matters as the criteria for judging whether or not certain academic programs should be continued; the role of affiliated and federated colleges in improving undergraduate education; the function of deans and chairs in hirings and promotions; and the involvement of undergraduate students in research activities.

The severity of the University's fiscal outlook as outlined in the paper was a cause of concern for several members of Academic Board. The document calls for a base-budget reduction of 8.9 percent from 1994 to 2000. Professor Paul Thompson, principal of Scarborough College, said the proposed cuts alone would lead to "devastation." However, the white paper gives divisions "something to work towards."

Professor Bruce Kidd, director of the School of Physical & Health Education, urged the administration to be cautious about raising people's expectations about what the white

paper can accomplish. He thought much of the paper reads as if money and resources will be allocated to new endeavours. While this may be true, other initiatives will be cut and this should be kept firmly in mind, he advised.

Addressing the board, Professor Bill Graham, president of the U of T

Faculty Association, said the document does not bring good news. Its call for a base-budget reduction will result in "severe and hard decisions" that will include the elimination of academic programs, he said. The cuts may be necessary, he added, but should be carried out in a sensitive, flexible and appropriate manner.

John Malcolm, president of the U of T Staff Association, said in an interview that UTSA is worried about the white paper's suggestion that the skills of staff be upgraded so individuals will be able to perform a broader range of duties. "There is already more work at the University than there are people to do it."

Tutor Talks to Reopen This Spring

NEARLY THREE YEARS AFTER breaking off talks with the administration over suggested changes to the academic appointments policy, the University of Toronto Faculty Association wants to reopen discussions.

UTFA has wanted a new appointments policy for 10 years, said Guy Allen, a senior tutor in the Transitional Year Program. "In light of the fact we have a new provost, we sent one more letter to the administration this year asking that this matter be resolved."

Provost Adel Sedra has responded

by assembling a five-member administrative negotiating team led by David Cook, vice-provost (staff functions). UTFA's team is headed by Professor Emeritus William Nelson of the Department of History. The two sides will meet this spring.

UTFA president Bill Graham and Cook say they hope the talks will finally lead to an accord. Under the Memorandum of Agreement between Governing Council and UTFA, consensus is needed for changes to the University's appointments policy. Neither side, however, has altered its stance on the issue that led to the

breakdown in negotiations — job security for tutors and senior tutors.

Currently U of T's 250 tutors and senior tutors work under a system of renewable multi-year contracts. UTFA wants the University to give teaching-stream staff permanent status comparable to tenure. The administration suggests tutors be known as either instructors or lecturers, depending on their duties. After a probationary year, both lecturers and instructors would be appointed on a continuing basis but could be terminated on six months' notice.



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"OVERCOMING MATH ANXIETY"

Sheila Tobias is the author of many books and articles on science and math education, and on barriers to students' understanding of these subjects. Her books include "Overcoming Math Anxiety" (New edition, 1994), "Succeed with Math" (1987), "Breaking the Science Barrier" (1992), "They're Not Dumb, They're Different" (1990), and "Revitalizing Undergraduate Science" (1992).

This event is made possible by funding from the University of Toronto (Office of the Provost), and is co-sponsored by the Faculties of Arts and Science, Education, and Applied Science and Engineering, and by the Department of Mathematics.

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Wired to the World

BY KARINA DAHLIN

EVERYONE WANTS TO BE WIRED. Department by department, building by building, UTORnet, the "campus backbone," is spreading. To date about 10,000 members, or one-sixth of the University community, have been given access to the computer network. Many of those who have not been connected are impatiently waiting their turn, says Warren Jackson, director of network and operations services at U of T

E-Hugs Are "Netiquette"

ELECTRONIC COMMUNICATION may have the potential to isolate, alienate and make social misfits of us all. But an e-mail network can also function as a friendly neighbourhood where people pass on "e-hugs" to each other.

Late on Feb. 16 Marion Thompson, advertising manager of *The Bulletin*, learned that her aunt in East Lansing, Michigan, had died and that the funeral would be held Feb. 18. She wanted to attend the service but needed more information. Unable to reach her relatives in East Lansing, she sent an e-mail message to subscribers of an Anglican mailing list (anglican@american.edu) asking which Episcopal church her aunt belonged to and where the church was located in relation to the airport.

People replied in droves. Some sent Thompson a copy of the death notice in the local paper, others looked up her aunt's name in their parish directories and provided directions to the church. A man from New Mexico, who didn't know where the church was, sent his blessings and an e-hug, asking Thompson to "keep us posted how you are doing when you get back."

It wasn't all talk. When Thompson arrived in East Lansing, she was met by one of her correspondents, a teaching assistant at the University of Michigan. The TA brought the weary traveller refreshments and drove her to the church and back to the airport after the service.

"The Good Samaritan lives in cyberspace," mused Thompson, a few days after the electronic outpouring of goodwill.

Computing & Communications (UTCC).

The network offers scads of information — including material carried by Internet which links more than three million computers across the world.

Last year 11 University divisions and departments joined the network. This calendar year another 15 units will be hooked up — the Koffler Institute for Pharmacy Management, the Faculty of Education, admissions, the Banting Institute, the Best Institute, social work and management, the Department and Centre for the Study of Religion, the Tanz Neuroscience Building, the FitzGerald Building, University College, the Edward Johnson Building, physical therapy on McCaul St., the Nursing Building, the Haultain Building and Sussex Court. By the end of the year, installation costs will have grown to about \$3.3 million. The cost of connecting everyone at U of T will be almost \$10 million, Jackson said. The speed at which this can be accomplished depends on availability of funds.

UTCC hopes to receive \$1 million this year to upgrade the bandwidth of the network. This will boost the system's capacity and allow it to transmit video and multimedia images. As it is, transferring a book of text or images on UTORnet is slow; with the upgrade it will be 15 times faster.

Individual users may only encounter minor inconveniences as their buildings and machines are connected. But the establishment of the network is a huge engineering project, Jackson said. UTORnet funding pays for the wiring that leads to each building and, when necessary, an in-building "back-bone"; individual departments decide when they want to be connected and pay for it themselves.

In most cases they ask computing and communications to manage the work and this has created a substantial backlog of in-building wiring, said Jackson. UTCC has seven of its staff working on the project and is farming out an increasing amount of work to private companies.

U of T's network capability is similar to that of other universities, said Jackson. U of T was one of the first to use fibre optics 10 years ago. Since then, smaller universities with just one campus and no streets between its buildings have caught up.

Creative Accounting

THE UNIVERSITY'S NEXT FINANCIAL statement could show that U of T has a deficit of about \$8 million more than is actually the case.

The provincial government has implemented "loan-based" capital financing for universities, schools, hospitals and others who receive provincial funding for construction and maintenance expenses. These groups used to receive government grants to pay for capital projects but now must borrow the money. However, their loans are secured by the province and it will provide grants to cover the loan payments.

Although the new loans will be reflected in year-end numbers, the

loan-based capital financing will have no effect on the University's financial health, said Dan Lang, assistant vice-president (planning). "We will get no more and no less from the province." This year the University will have to buy approximately \$8 million in debentures to cover regular capital renewal projects as well as construction costs for the new management building.

Loan-based capital financing is not a new invention. The method was used in the 1960s and 1970s, said Lang. The system may be favoured by the province because it will be able to show that its expenditures have been lowered from one year to the next.

Poking About



THOMAS FRICKE

It's a great time of year to explore a greenhouse to remind ourselves there will be life outdoors and something besides snow in a couple of months. Kelly Shanahan of Mississauga seems to need some reassurance at Erindale College's Science Plus Expo 94. The Feb. 20 open house, which attracted about 3,500 people, featured Sniffy the virtual reality rat and Erindale's own singing scientists, The New Lab Tones, among other attractions.

Food Bank Seeks Volunteers

U OF T'S EMERGENCY FOOD bank for students is trying to build a permanent base on campus and is looking for more volunteers, says coordinator Dora Chiu, a second-year arts and science student.

U of T has operated a food bank for the past two years out of the Women's Centre at 49 St. George St. However, student volunteers do not always have time to staff it so hours of operation have been irregular. Chiu wants to attract more volunteers — students, staff and faculty — to ensure the food bank is open on a regular basis. She also hopes to heighten awareness of the service — the Women's Centre is in the process of erecting a permanent food bank sign outside the building.

Between eight and a dozen students have been seeking emergency food aid each month, she said. The busiest times are end-of-term periods in December and April when students

are awaiting student assistance cheques. Many who use the service are single parents, part-time students and those in special programs such as the Transitional Year Program.

Food packages are intended to last three days, Chiu said. They contain canned food, dry goods such as rice and pasta, powdered milk and, in many instances, baby food — all

items the food bank will gladly accept as donations from staff and faculty.

Chiu added, however, that the U of T food bank is working with the city's Daily Bread Food Bank to find better ways to deal with poverty and hunger. "We don't want to be just a charity or a band-aid food bank. We'd like to find some long-term solutions to the problem."

Foundation Gives \$220,000

THE DONNER CANADIAN Foundation has given a \$220,000 grant to the University to publish a series of monographs on public administration and public policy.

"The idea is to catch issues that are not quite at the forefront of public debate right now but will be in a year or two's time," said Professor Andrew Stark of the Faculty of Management, who is in charge of

the two-year project. He said writers will be drawn from universities and elsewhere. Topics may include Ontario's place in Confederation in light of changes in federal fiscal policy and an examination of the positive economic change in New Brunswick, Stark said. The eight to 10 monographs will be aimed at academics, politicians, public servants and the media.

IN MEMORIAM

Eye Researcher Received International Recognition

A FUNERAL WAS HELD FEB. 15 for Professor Martin Breitman of the Department of Molecular & Medical Genetics and a senior scientist at the Mount Sinai Hospital Samuel Lunenfeld Research Institute. Breitman, who died of cancer, was 41 years old.

Last year he received international recognition when it was announced he would receive \$100,000 in funding from the Texas-based Alcon Research Institute. The prize, which recognized Breitman's contribution to eye research, was to have been presented at a ceremony in March.

University Professor Emeritus Louis Siminovitch, the institute's director, called Breitman an energetic young man who worked and studied hard and had become "a superb scientist." His death, Siminovitch said, "is a tremendous loss because it is hard to find people who are not only



good but are able to collaborate with others very easily."

Breitman was born and raised in Sarnia, Ontario. He received his BSc and MSc in virology at McMaster University. In 1980 he obtained his PhD in tumour virology at the University of Southern California.

Breitman carried out post-doctoral research at the Hospital for Sick Children. In 1983 he was appointed an assistant professor in the medical genetics and medical biophysics departments. When the Lunenfeld institute opened in 1985 under Siminovitch's direction, Breitman became a senior scientist.

His research into tumour virology, genes and cell development produced major scientific advances, Siminovitch said. With students and colleagues he published more than 75 scientific articles.

Breitman served on advisory committees reviewing funding applications to the Medical Research Council of Canada, the Israel Cancer Research Fund and the Strasbourg-based Human Frontier Program. A research fund in Breitman's name has been established at Mount Sinai Hospital.

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Preliminary Conference Announcement

Education of Health Professionals Through University/Community Partnerships

April 7 - 8, 1994
The Sheraton Hotel
Hamilton, Ontario

This multidisciplinary conference offers community health education professionals opportunities to explore community health education issues and to identify barriers and strategies for further development of the community health component of health professional education programs.

Objectives

- Exchange information on approaches to achieving effective community health education programs.
- Enhance understanding of the community health education issues faced by education program planners, institutional and agency managers, and policy makers.
- Identify issues (barriers, strategies) for further development of community health education programs.
- Compile information on the level of development of community health education in health science centres.

For more information, please contact Meighan Finlay, Conference Coordinator, c/o Health Priorities Analysis Unit, 25 Main Street West, 2nd Flr., P.O. Box 897, Hamilton, ON, L8N 3P6, Tel: (905) 546-3624. Fax: (905) 528-2205.

Watts Lecture

Scarborough Campus, University of Toronto



Mr.
Abdullah
Abdullah

P.I.O.'s Ambassador to Greece



Mr.
Itzhak
Shelef

Israel's Ambassador to Canada

"The Politics of Reconciliation"

Wednesday, March 9, 1994

7:30 p.m., Meeting Place

Scarborough Campus, University of Toronto

1265 Military Trail at Ellesmere Rd., east of Morningside

Information 287-7080

Admission Free

Sponsored by Scarborough Campus, University of Toronto
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UTFA Presidential Nominations

Nominations for President of the University of Toronto Faculty Association for the next academic year open March 1, 1994. UTFA's constitution requires candidates for President to be nominated by two members of UTFA Council. Members of the Association, however, are invited to suggest names of possible candidates to Council members.

Nomination forms must be returned to the office between 9:00 a.m. on March 1, and 5:00 p.m. on March 15, 1994. If necessary, an election will be conducted by a mailed ballot of the membership in the following two weeks.

Professor Abdo Abdelmessih
Professor Mounir Abouhaidar
Dr. Guy Allen

Professor Gürkan Altuna
Professor Margaret Anderson
Professor Arlene Anthony

Professor Edward Barbeau
Professor Jonathan Barker
Dr. Douglas Bors
Professor Peter Boulton

Professor Aurel Braun
Professor Patricia Brückmann
Professor Michael Bunce
Professor François Casas
Professor Jacqueline Chapman
Ms Susan Cozzi
Ms Ren Devakos
Professor James Estes
Professor Jock Galloway
Professor Lloyd Gerson
Professor Marvin Gold

Professor Alan Gordon
Professor William Graham
Ms Margaret Hawthorn
Dr. Robin Healey
Dr. Carol Hennessy
Professor Marsha Hewitt
Ms Bernice Hines
Ms Bonnie Horne
Professor Pat Hume

Mech. Eng., Indus. Eng., Aerospace
Botany, Geology
New College, Innis College, Transit Year Program; Chair,
Tutors' Committee

Dentistry
Library & Information Science
Physical Therapy, Occupational Therapy, Speech
Pathology, Anatomy

Mathematics
Political Science
Scarborough - Life Sciences
Electrical & Computer Eng., Biomedical Eng.;
Vice-President, Salaries, Benefits & Pensions
Erindale - Social Sciences
Trinity College
Scarborough - Social Science
Economics
Nursing, Pharmacy
Librarians
Victoria University
Psychology, Geography, Urban Planning
St. Michael's College
Banting & Best, Biochem., Clinical Biochem., Medical
Genetics
Italian, Salvic Lang. & Lit., Spanish & Portuguese
Scarborough - Humanities; President
Librarians
Education
Chair, Status of Women Committee
Pharmacology, Medicine, Pathology, Physiology
Past President
Computer Science, Statistics

Professor Robert Imlay
Professor Bryan Karney
Professor Giuliana Katz
Professor Harvey Kerpeck
Professor Joaquin Kuhn
Professor Mark Levene
Dr. Jennifer Levine
Professor Rhonda Love

Professor John Machin
Professor Robert MacKay
Ms Brenda Mallouk
Professor Hugh Mason
Professor Eilene McIntyre
Mr. Neil McLean
Professor George Milbrandt
Professor Alfred Miller
Professor Stefan Mochnicki
Professor William Nelson
Professor Andrew Oliver
Mr. Kenneth Olynyk
Mr. Dennis Patrick
Professor Albert Pietersma
Ms Judith Poe
Professor William Reynolds
Ms Helen Rosenthal
Professor Roger Savory
Dr. Ursula Sherman
Professor Sandy Smith
Professor Richard Tiberius
Professor Stephen Triantis
Ms Marion Tyacke
Professor Jens Wollesen

Philosophy, IHPST, Religious Studies
Civil Engineering & Geological Engineering
Erindale - Humanities
English
St. Michael's College
Erindale - Humanities
Victoria University
Behavioral Science, Health Admin., Preventive Med.,
Biostatistics, Occup. Health & Environmental Health Unit;
Vice-President, Grievances
Zoology
Sociology, Criminology
Faculty of Management
Fine Art, Classics, Drama, Comp Lit., Medieval Studies
Social Work
University of Toronto Schools
Education
Chemical Engineering, Metallurgical Eng.
Astronomy, Physics
Chair, Appointments Committee
Treasurer
Physical & Health Education, Athletics & Recreation
Music
East Asian, Near Eastern, Middle East & Islamic
Erindale - Sciences
Chemistry
Scarborough - Physical Sci.
Retired Members
Scarborough - Humanities
Architecture, Landscape Architecture, Forestry
Microbiology, Nutritional Sciences & Miscellaneous Medicine
Retired Members
University College, SCS, SGS, Woodsworth College
Chair, University & External Affairs Committee

LETTERS



SHORT-TERM FUNDING OBSTRUCTS EXCELLENCE

"Universities should not be squeamish — the private sector values them for what they are" is the subtitle of Peter Munsche's piece, counsellings that academe be more receptive to accepting money from commerce (Who's to Navigate? Who's to Steer? Jan. 31). The article concentrates on the first part of the subtitle. The concern of some of us, however, is with the second part: how are we to remain valued — by commerce, government and society generally — when the growing emphasis is on short-term financial support?



This issue should be of concern to all universities, but it is particularly critical for an institution such as ours which aspires to the first rank internationally. The reputation of a Harvard or an Oxford was not made on short-term pursuits.

It is true that from the beginning universities have not hesitated to accept money from commerce, typically benefactions of rich men. Perhaps half the colleges of Oxford and Cambridge are named after such people. The institution of universities is what it is today thanks to this invaluable support from the community. This support, however, has been most effective where it has been most freely given. The strength of the best universities is based on the freedom they have been permitted to exercise in the pursuit of knowledge. Happily this eventually comes full circle — creating the kind of institution that "the private sector values for what it is."

Today university support by the private sector is much more oriented to short-term return. Over the past decade or so support from public funding agencies such as the Natural Sciences & Engineering Research Council has also become

more oriented to the short-term. Wealth generation, more or less instant, is now the watchword. Last November NSERC communicated its Strategy for Entering the 21st Century, indicating that even its basic grants — the last refuge for long-term scientific research — will now be awarded with an eye on near-term commercial return.

If most or all of our funding support for research is governed by considerations of short-term return, how can we maintain and further develop the strengths that the community has looked to universities for centuries to harbour? How can we remain a valued resource?

Without adequate support for the generation of knowledge with a longer time frame of applicability, universities will become mere training schools — and secondary ones, inevitably.

One accepts nowadays that

much of university research, perhaps most of it, should be applied. The question of the time frame for return on investment, however, is the critical one for a university such as ours. If our research is characterized by the rapid chop and change that may be necessary in industry, then eventually we will have little to offer that anyone will value — including industry. Surely our contribution has to be as a source of expertise that has depth — something that can only be achieved where there has been continuity of focus over an extended period.

I would, therefore, urge the leaders of our university to turn their efforts to confronting the external supporters of university research, particularly government agencies. The University of Toronto will not attain first-rank status internationally but will surely fall back from its present standing if the emphasis on the

short term in research funding is not moderated.

PETER STANGEBY

INSTITUTE FOR AEROSPACE STUDIES

OISE MEETS SAME STANDARDS AS U OF T

I would like to respond to the statements attributed to Professor Jack Carr in the article Jobs Would Be Lost in Amalgamation (Feb. 14). Carr is reported as alleging that (a) OISE faculty and research do not meet U of T's standards of excellence, (b) OISE's faculty has a poor reputation and (c) OISE is seen "by many" as a "degree factory."

It is my understanding that the burden of proof lies with those who make extreme assertions. To say that such beliefs are right because "others" agree is mere rhetoric. Professional, informative discussions should be based upon facts, not derogatory comments. In

an academic context, such unsupported statements of belief are completely inappropriate.

In point of fact OISE, like other graduate schools, must go through periodic examinations by the Ontario Council on Graduate Studies. It is disappointing to read such patronizing and rejecting opinions about an institute that is part of U of T's School of Graduate Studies.

I was also disappointed that there was not an opportunity for someone from OISE to have a voice in the article. Major changes that involve modifications in institutional structure can be very threatening for the people most immediately affected and such rejection makes a difficult situation even more unpleasant.

JILL SLEMON
TORONTO

Editor's note: The Bulletin did try to reach someone at the Ontario Institute for Studies in Education for a reaction to the views expressed at Academic Board. However, both the director and his assistant declined comment and calls to OISE's faculty association were not answered until after the paper was published.

MOVED



I am always informed by The Bulletin and often impressed by people's accomplishments or opinions but I am seldom moved. Thanks for making the space to carry the excerpt from June Callwood's speech (Love, Love, Love, Feb. 14).

ANN RAE
BORA LASKIN LAW LIBRARY

LETTERS DEADLINES

MARCH 4 FOR MARCH 14

MARCH 18 FOR MARCH 28

Letters should be submitted on a computer disk in WordPerfect or plain text format, or on paper, typed and double spaced. Please include a telephone number and, if possible, a fax number.

RUTH SHALL MAKE YOU FREE

Sometimes ivy covers truth better than the news does

BY JOHN ROBSON

The following are extracts from an as-yet-to-be delivered speech:

VICTORIA COLLEGE, WHERE I HAVE SPENT MOST OF MY teaching career, has over its commanding front entrance the motto: "The truth shall make you free." Never mind that the ivy sometimes makes it appear a rather suspect advertisement, "Ruth shall make you free" or that cynics have claimed that it should read, "The truth if you pay your fees." The unqualified assertion, chiselled in stone, summarizes much central faith in our civilization.

In most ways members of the media face the same problems as the rest of us in dealing with truth. But we must ask, what do we expect of the media? Do they give us what we expect?

Normally when we ask for reliable information of a general kind, we go to a trustworthy authority. We want to trust the media as we want to trust other sources of authority whether institutional, such as church, law, university and government, or individual. It is useful here to distinguish between truth and fact. Facts can be reported accurately or inaccurately, but in spite of the common phrase, "true facts," it is better to reserve "true" and "false" for statements about beliefs.

Both fact and belief are important when trying to understand what the media should and do tell us. Probably most people would say without hesitation that what they want is factual accuracy. The connection between truth and fact is intimate because generalizations are based on facts; however, telling truth is more difficult than reporting fact.

The famous formula for news stories is based on fact collection: as soon as possible say who, what, where, when and if possible why. Just the facts, ma'am! If the reporter cannot answer the questions, locate an eyewitness; if inference is involved, get two independent witnesses to confirm the facts. One does not have to be a postmodern theorist, however, to feel some hesitation about the facticity of facts: the etymology of the word goes back to "that which is made"; facts are made by humans, truth, according to the old maxim, is divine. (But, one has to add, *only* when it is true.)

THE GREATEST DISTORTIONS OCCUR WHEN governments control through censorship, ownership or habitual deference. We are fortunate that in Canada, thanks not to luck but to our ancestors who fought hard to establish a tradition of freedom, these biases are intermittent and slight compared with everyday practice elsewhere. One who has closely studied the European press has made a withering criticism of the French press. What prompted her comment was the coverage of the "*scandale de sang*," arising from the distribution of blood products that were known to be contaminated with HIV. She says that the French press, "like other Latin presses," is "highly partisan and at least as interested in ideology as in information." There are some attempts at control in Canada, but even when as confused and distressing as those surrounding the Homolka/Teale trials, they usually have a basis, however insecure, in our system of justice, designed to protect individuals not government. The genuine cases of censorship are those in which the defence, real or ostensible, is national security. But there are political stirrings of a lamentable kind that seem not

to annoy the public as much as I think they should.

The legislated meaning of "political party" seems on the surface simply to protect the public purse against silly claims by irresponsible tiny minorities. In effect it limits freedom of speech by allowing broadcast time and deductible donations only to certified parties. If we need truth, and if truth depends on open statement and debate, then such measures work incrementally to limit and damage our futures.

Other issues worry me. One arises in the reporting of what passes as fact: statistics. There is a well-known incremental series: "Lies, damned lies, and statistics." The implication is that the distortion is intentional; however, the unsuspected distortion, not reflecting at least conscious bias, is more seductive,

immigration means more jobs, well and good; if the number of jobs does not rise, however, then more immigration means more unemployment for some people, immigrant or non-immigrant. Third, the reports are given almost without exception only when they will cause anxiety; they are part of the only-bad-news-is-news syndrome. How often are we given *employment figures*? (Not that they too should be accepted without qualification and explanation.)

ANOTHER OF MY CONCERN IS THAT A GREAT DEAL OF WHAT passes as news is the reporting of public opinion. The media

make the assumption that what people want to hear is what they, the public, reputedly think about issues and events — and it seems that assumption is borne out by sales and ratings surveys. In a powerful sense such opinion can be seen as fact: it is a fact that people believe this or that. And in democracies we accept that public policy should take public opinion into account.

Perhaps democracy would be most effective if it were most direct: buttons in every home (and on street corners, for the homeless) that could be pressed to indicate the policies that should be followed. I exaggerate to make the point: all surveys are cheaper and easier ways of trying to find out what the button counters would know — and why should the government bother with human button counters?

Now let me exaggerate in the other direction, away from social science to gossip: the media also display public opinion through direct exposure, most disarmingly in the TV shows where individuals reveal their motivations and behaviour before a studio audience that, with the help of the host, is allowed to express opinions before the much wider audience that is as yet mercifully unable to be fully interactive. On radio such programs as CBC's phone-in show, *Cross-Country Checkup*, demonstrate what the future might bring.

But how far away is that future? We are being subjected to increasing amounts of what may be called "verbatim" news on television, with cable channels devoting mind-numbing hours to live (if that's the right word) legislative debates and trials, committee and commission hearings. A US commentator invites us to "imagine the viewership when your township council debates whether or not to double your property taxes, or the board of education decides

whether or not to offer free condoms to high school students, and the local cable channel invites you to register your opinion via touch-tone phone."

Is there any hope? Despair seems more likely for people of my generation. But perception of danger need not paralyze us: each has a duty to oneself as well as to others to seek the illusive truth through examination and discussion of what comes to us as "news." And a healthy scepticism can turn duty into pleasure, particularly when it annoys villains who need our thoughtless compliance.

University Professor Emeritus John Robson of the Department of English at Victoria College is general editor of *The Collected Works of Northrop Frye* and was general editor of *The Collected Works of John Stuart Mill*, completed in 1991.



especially when presented with the authority of a respected institution.

Probably the most difficult area is economics, and within it, the most contentious case is probably the reporting of unemployment. First of all, almost always the figure is reported in relation to past figures; however, the definition of unemployment is constantly changing, and so fair comparison is impossible. Second, the figure can be sanely interpreted as leading to effective action only if its generation can be explained, and that requires details that are almost never even hinted at. For example, whatever attitude one has to sexual equality, it is silly not to take into account that increased participation of women in the workforce will mean decreased participation by men unless there are more jobs or there is more shared, part-time work. And the same is true of immigration: if higher

A TIME AND PLACE FOR HUMANITY

In the lean, mean 90s, Cranford Pratt keeps fighting for ethics in Canadian foreign policy

BY KARINA DAHLIN

THIS SPRING, SAY SPIN DOCTORS IN OTTAWA, Foreign Affairs & International Trade Canada will make history. However, Professor Emeritus Cranford Pratt of the Department of Political Science is not convinced it will be history worth noting.

The foreign affairs department, in connection with its upcoming foreign policy review, is organizing a first-ever public forum to elicit the views of academics, executives and members of the media, churches, think-tanks and other groups. On March 21 and 22 more than 100 people with at least 100 different opinions will discuss everything from foreign aid to security, arms control, peacekeeping, international trade and human rights. In the end they will try to reach a consensus.

It is unlikely they will succeed, says Pratt, who will follow the Ottawa debate from his office at University College with a great deal of interest and a healthy dollop of scepticism.

Two days is simply not enough time for consensus to develop, Pratt said in an interview Feb. 14. Still he thinks the forum will play an important role in the foreign policy review — even if it is not the role participants would wish. It is standard practice to include recommendations from a public forum in a report and then use the document, with its many contradictory proposals, as a starting point for a review, explains Pratt. This process allows policy-makers to emphasize those recommendations they like and to proceed in the direction they initially intended. To support their plan, they can say their views are based on recommendations made during public consultation.

A spokesperson for the foreign affairs department says this approach is not intended for the coming review. Pratt suspects it is. If he sounds suspicious, it may be because he's been disappointed before.

PRATT IS AN AFRICANIST. HIS CAREER BEGAN 40 years ago when, as a lecturer at McGill University, he had the opportunity to travel to Uganda to teach at Makerere College. At that time he hardly knew where Uganda was: he had to look it up in an atlas, he recalls. But he found his way and, after his first trip to Africa, he kept returning. In 1961, one year after joining U of T, he took a leave of absence and served as the first principal of University College in Dar es Salaam, Tanzania, for four years.

By 1979 he decided it was time to study the northern contribution to the strained relationship between the wealthy north and the poorer south. He focused on Canadian foreign policy not only as an academic but also as an active member of the United Church. Over the years he has written extensively on third world issues and is editor of and contributor to the book *Canadian International Development Assistance Policies: An Appraisal*, to be published in June.

One topic that Pratt has always been anxious to explain is how the strong ethical component of Canadian culture is filtered out of our public policy. In his view (and polls support this view) Canadians have traditionally wanted to give foreign aid to those who need it — without demands that the recipient adopt certain economic or military policies. In the 1970s and 1980s public support was strong for a humane aid program that would

IN THE 1950S, SAYS PRATT, MOST CANADIANS BECAME aware of the world for almost the first time. The cold war made it important for the western world to forge ties with countries like India and Pakistan that were geographically close to the USSR. At the same time, scores of newly independent countries were popping up in Africa and the Caribbean and hundreds of young people set off to work as volunteers in those countries.

The need for a strong Canadian aid policy developed first because of pressure from the US to participate in the cold war, says Pratt. Later the pressure came from within Canada — after the Vietnam War Canadians wanted to show they had their own world view. "Suddenly a foreign aid program became one way for Canada to demonstrate that it was not the US, that it was a country with humanitarian values," Pratt recalls.

In 1968-75 it seemed Canada's foreign aid policy and popular opinion were moving in the same direction. Twelve years later Pratt hoped this movement would return. A House of Commons committee, chaired by William Winegard, had reviewed Canadian overseas development assistance policies.

The Winegard report, published

in 1987, was a breakthrough in the view of Pratt and others. "We were delighted," Pratt recalls. "It was a unanimous report, the committee had worked on it for 11 months, and it said, 'Let's not use aid to further commercial objectives. Its primary purpose must be to help the poorest countries and people.'"

The conflict between the public's wishes and the government's policies is easy to explain, he says: "It is a luxury, not a central concern, for our policy-makers to give expression to Canadian values." Since the dominant world view (and the view prevailing in Ottawa) is that states must compete for markets, this is the scenario Canadian policy has to adopt — whether supported by public opinion or not — says Pratt.

With the world focused in this way on markets rather than people, it is almost depressing to listen to the views of a social democrat like Pratt. The observation amuses him and he counters, "You're not supposed to get depressed, you're supposed to

get angry." He gets angry, he says, but as a typical Canadian he doesn't vent his frustration by marching on Parliament Hill.

What does he do? He continues to work hard as a teacher and scholar, guided by humane instincts. "Many of us feel strong ethical convictions are a contribution to scholarship, not a detriment," he says. "Scholars who are concerned about the welfare of the countries or the people they study are more likely to identify topics for their research that have immediate relevance. They are less likely to go off on a tangent that bears little relevance on human welfare."

Pratt was disappointed, but not defeated. More than ever he saw the importance of keeping alive the ethical component of Canadian political values and that is what he is fighting for today. If the central value of public policy is not humane, he says, social welfare, community services, public charity as well as foreign aid will be undermined.

No dreamer, Pratt knows that for his ideas to take shape they must be accepted by the younger generation which has its own views. "Canadian values are undergoing significant transformation," he says. "We are living in an era of mean and lean. Whether it's a long-term or a short-term secular trend, I do not know. Each generation has to rearticulate its values."



CANADIANS HAVE TRADITIONALLY WANTED TO GIVE FOREIGN AID TO THOSE WHO NEED IT

SITTING TALL IN THE SADDLE

An adaptive chair could help youngsters with a disability develop greater mental and physical powers

BY SUZANNE SOTO

IN AN AVERAGE LIFETIME A PERSON spends thousands of hours sitting. Office employees likely spend more time in this position and trades workers less. Unfortunately, says Professor Denise Reid of the Department of Occupational Therapy, sitting is probably one of the most unhealthy activities people engage in on a daily basis. "Most of us tend to slouch forward when we sit," she explains, which puts undue stress on the spine and back muscles and in many cases on the digestive and respiratory systems as well.

These stresses are a particular problem for children with a disability that impairs muscle function and control such as cerebral palsy. To address these concerns Reid and two researchers from the Hugh MacMillan Rehabilitation Centre and the U of T Institute of Biomedical Engineering have created a special chair that may improve the health and quality of life for these children. The chair's main feature is a tilted saddle seat that helps children sit straighter, improving their posture and taking some pressure off the back and internal organs. Its straddled form and anterior tilt also give children better balance and stability and leaves their arms and hands free to move and reach for objects — all of which could greatly enhance their learning.

An occupational therapist, Reid began researching specialized seating more than a decade ago while a clinician at the MacMillan centre. Working primarily with children with cerebral palsy, she wanted to find a better alternative for them than the flat-surfaced seats

available on the market.

Approximately two years ago, she began collaborating with Professor Morris Milner of the Department of Mechanical Engineering and the MacMillan centre and Professor Henry O'Beirne of the Institute of Biomedical Engineering. The team experimented with various chair shapes and angles before determining that the slightly tilted saddle seat seemed to provide the best results.

"What we observed and recorded with special equipment is that there was a definite change in spinal position, back muscle activity and quality of arm movement," she says. The children, aged four to nine, appeared more alert and performed tasks requiring motor skills faster and more accurately. They also reported feeling better, stronger and more powerful in the new seats.

Reid is now trying to find a manufacturer and distributor. The chair itself is not difficult to build and she believes it could be made for about \$300. Still, some companies have been reluctant to sign a deal with the researchers because the seat is not expected to net huge amounts of profit. Reid, who says she will not make any money from sales of the chair, wants to keep its market price within reach of those most likely to need and purchase one — parents and educational institutions.



a controversial area. The question, 'Does anterior sloping really work?' is an issue that has yet to be resolved."

Reid is confident anterior sloping and saddle seats offer promise and potential and she welcomes more research and testing in this area. "The general traditional principles of seating work for the majority of people but there are cases where you need to be creative and change your designs to incorporate features that will benefit people with special needs," she notes.

"We need to start thinking of the dynamic aspects of posture and the whole concept that one can encourage and improve postural control with the use of adaptive seating devices."

With this in mind, she notes the seat could also benefit able-bodied children and, in a larger version, people of any age who want to ensure their hours spent sitting do not contribute

to back pain or other health problems later in life. Another difficulty she has encountered is some manufacturers' scepticism about the chair's benefits. Many in the area of special seating for people with disabilities do not believe anterior sloping actually leads to the results she and her colleagues have documented. "This is still

"I have designed this seat with children in mind but there is absolutely no question it would be appropriate for a wide age range because it promotes a better sitting position and ultimately a better, healthier lifestyle," she says.

CUSTOMS & TRAFFIC

COURIER SURVEY

The University is reviewing its courier service needs. To assist in its study, your help would be appreciated in identifying your needs in writing, who you now use and why. Comments pro and con for the couriers listed on the "courier guide" would be appreciated. Your replies can be anonymous if you wish. Tel: Tom Nippak, 978-7447, Purchasing.

LIVE ANIMAL PERMITS

US Fish and Wildlife Branch now require Export Permits from vendors shipping frogs and turtles to Canada. This can cause delays and extra costs. Please check out the details of this new regulation and how it may affect your research.

SHIPPING INSTRUCTIONS

When placing orders by phone or fax directly, please ask us to fax you a copy of the University shipping instruction intended to help vendors. This will help prevent customs and delivery delays. Please phone 978-2353 or 978-2266.

TRAVEL PROGRAMME

PREFERRED TRAVEL AGENCIES:

When planning to make travel arrangements (tickets, car rentals, hotel/motel bookings, etc.) remember to contact any of the University of Toronto's three "Preferred Travel Agencies":

American Express Travel	443-8407
Thomas Cook/Marlin Travel	359-1388
Rider Travel Group	593-8866

Whenever possible, remember to arrange payments through your University Travel Card (American Express or enRoute).

EQUIPMENT EXCHANGE

Description	Qty.	Model	Age	Fair Mkt. Value	Contact
Bookcase (metal) 36" x 96" x 10"	1		-	\$30	S. Puckering 976-3315
Conference tables	2	45828	1971	\$35/EA.	" "
Table 36" x 72"	1		-	\$25	" "
Table 36" x 60"	1		-	\$25	" "
Coat rack	1		-	\$10	" "
Chalkboard 48" x 36"	6		-	\$10/EA.	" "
Projection screen	1	DA-LITE	1975	Best offer	C. Alton 978-0551

EVENTS



LECTURES

Software Landscapes: A Visual Architecture for Developing Large Software.

TUESDAY, MARCH 1

Prof. Ric Holt, Department of Computer Science; Computer Science: Its Theory, Practice, Applications and Implications series. 1105 Sandford Fleming Building. 11 a.m. Computer Science and ITRC

The Imperial Thermae: Mirrors of Rome, Models of Empire.

WEDNESDAY, MARCH 2

Prof. Janet Delaine, University of Reading. Lecture room, McLaughlin Planetarium. 5:15 p.m. Archaeological Institute of America, Toronto Society

La Belle Américaine: Franco-American Relations in Film.

WEDNESDAY, MARCH 2

Prof. John Gilbeau, Department of French. 215 Victoria College. 8 p.m. Society for Mediterranean Studies

The Mississaugas' Last Stand at the Credit.

THURSDAY, MARCH 3

Prof. Donald Smith, University of Calgary; Snider lecture. Council Chamber, South Building, Erindale College. 8 p.m. Reservations: (905) 828-5214.

Creating Multilingual Templates for CD-ROM.

THURSDAY, MARCH 3

Prof. Samuel Cioran, McMaster University; Computer-Assisted Instruction: An Interdisciplinary Survey series. 54B Wetmore Hall, New College. 8:30 p.m. CCH

From Fruit Flies to Man: The Genetics of Animal Design.

SUNDAY, MARCH 6

Janet Rossant, Department of Molecular & Medical Genetics. Auditorium, Medical Sciences Building. 3 p.m. Royal Canadian Institute

Decolonizing the Mind/Body/Spirit: Researching Holistic Indian Medicine.

MONDAY, MARCH 7

Farah Shroff, Ontario Institute for Studies in Education; Popular Feminism lecture and discussion series. Boardroom, 12th floor, Ontario Institute for Studies in Education, 252 Bloor St. W. 8 p.m. Women's Studies in Education, OISE

Microsoft Systems Strategy Overview.

TUESDAY, MARCH 8

Brad Silverberg, Microsoft; Computer Science: Its Theory, Practice, Applications and Implications series. 1105 Sandford Fleming Building. 11 a.m. Computer Science and ITRC

Overcoming Math Anxiety.

TUESDAY, MARCH 8

Sheila Tobias, Research Corporation, Tucson. Auditorium, Faculty of Education, 371 Bloor St. W. 4:10 p.m. Education, Applied Science & Engineering, Arts & Science and Mathematics

The Politics of Reconciliation.

WEDNESDAY, MARCH 9

Itzhak Shelef, Israeli ambassador to Canada; and Abdullah Abdullah, PLO ambassador to Greece; Watts lecture. Meeting Place, Scarborough College. 7:30 p.m.

The End of the Bronze Age and the Beginning of the Iron Age: The Dark Ages Revisited.

WEDNESDAY, MARCH 9

Oscar W. Muscarella, Metropolitan Museum of Art. Auditorium, Earth Sciences Centre. 8 p.m. Canadian Society for Mesopotamian Studies

Computer-Enhanced Japanese Language Learning: Myth and Reality.

THURSDAY, MARCH 10

Prof. Kazuko Nakajima, Department of East Asian Studies; Computer-Assisted Instruction: An Interdisciplinary Survey series. 54B Wetmore Hall, New College. 8:30 p.m. CCH

Reducing the Catastrophes from Natural Hazards.

SUNDAY, MARCH 13

Prof. Alan G. Davenport, University of Western Ontario. Auditorium, Medical Sciences Building. 3 p.m. Royal Canadian Institute

COLLOQUIA

Time Resolved Microscopy of Colloidal Spheres: A Model System for the Study of Collective Phenomena in Condensed Matter.

THURSDAY, MARCH 3

Cherry A. Murray, AT&T Bell Laboratories. 102 McLennan Physical Laboratories. 4:10 p.m. Physics

Thinking in Pictures: Wittgenstein, Derrida and Freud.

MONDAY, MARCH 7

Prof. Ray Monk, York University. 4-487 Ontario Institute for Studies in Education, 252 Bloor St. W. 12 noon to 1:30 p.m. OISE

Modern Dilemma and Historical Disease: What Can We Learn from the History of Tuberculosis?

WEDNESDAY, MARCH 9

Prof. Gina Feldberg, York University. 304 Victoria College. 4:10 p.m. IHPST

Reversals of the Geomagnetic Field and the Workings of Earth's Deep Interior.

THURSDAY, MARCH 10

Prof. Kenneth A. Hoffman, California Polytechnic State University. 102 McLennan Physical Laboratories. 4:10 p.m. Physics

Tandem Mass Spectrometry (MS/MS): Why More than One Stage of Mass Analysis?

FRIDAY, MARCH 11

Prof. A.G. Harrison, Department of Chemistry. 158 Lash Miller Chemical Laboratories. 3:30 p.m.

SEMINARS

Assessing the Ontario Government Relocation Program: Is Toronto Bashing Really Over?

TUESDAY, MARCH 1

Prof. Frank Reid, Centre for Industrial Relations; bag lunch discussion series. Room 205, 121 St. George St. 12:30 to 2 p.m. Industrial Relations

Beyond P.T.O.

WEDNESDAY, MARCH 2

Jacob de Swaan Arons, Chemical Technology & Materials Science, Delft. 119 Wallberg Building. 12:30 p.m. Chemical Engineering & Applied Chemistry

Justice and Health Care: A Feminist Re-view.

WEDNESDAY, MARCH 2

Prof. Susan Sherwin, Dalhousie University; Philosophical Perspectives on Bioethics series. Room 936, 215 Huron St. 4 to 5:30 p.m.

Community Entrepreneurship: Rethinking the Concept of Business Development.

THURSDAY, MARCH 3

Jack Quarter, Toronto Energy & Water Conservation Program; green bag lunch series. Room 7-208 Ontario Institute for Studies in Education. 12:15 to 2 p.m. Transformative Learning Centre, OISE

Communication in Non-Linear Environments.

THURSDAY, MARCH 3

Prof. Derek de Kerckhove, McLuhan Program in Culture & Technology; Mankind in Non-Linear Systems series. 211 Haultain Building. 3 p.m. IES

Beyond the Emblematic World View: The Book of Nature, Paracelsianism and Language in Early Modern Europe

THURSDAY, MARCH 3

Prof. James Bono, State University of New York at Buffalo; Hannah seminar for the history of medicine. Seminar room, 88 College St. 4 to 6 p.m.

Ukrainian Literature in Poland after 1945.

THURSDAY, MARCH 3

Helena Duć-Fajfer, Jagellonian University, Cracow; in Ukrainian. Boardroom, Multicultural History Society of Ontario, 43 Queen's Park Cres. E. 4 to 6 p.m. Ukrainian Studies

The South Asian Experience of Canada.

FRIDAY, MARCH 4

Karim H. Karim, Multiculturalism & Citizenship Canada; Diversity in the Canadian Curriculum series. 179 University College. 12 noon to 2 p.m. UC and Women's Studies

Producer Services Consumption Patterns among New York State Manufacturers.

FRIDAY, MARCH 4

Alan MacPherson, State University of New York at Buffalo; Taylor/subterranean series. 2125 Sidney Smith Hall. 2:30 to 4 p.m. Geography

Beyond the Neighbourhood of Nostalgia: Lessons on Urban Community from 19th-Century New York City.

FRIDAY, MARCH 4

Prof. Kenneth A. Scherzer, Middle Tennessee State University. 2090 Sidney Smith Hall. 3 to 5 p.m. American Studies Committee

Employment Equity: Making It Work.

MONDAY, MARCH 7

Nan Weiner, Centre for Industrial Relations; bag lunch discussion series. Room 205, 121 St. George St. 12:30 to 2 p.m. Industrial Relations

Sports, Violence and the Mass Media.

MONDAY, MARCH 7

Michael Smith, York University. 330 Clara Benson Building. 3:30 to 5:30 p.m. Physical & Health Education

Tissue Optics & Laser Ablation in a Changing World.

TUESDAY, MARCH 8

Prof. Joseph T. Walsh, Northwestern University. 134 McLennan Physical Laboratories. 4 p.m. OLLRC

Polyethylene Oxide Star Polymers: Characterization and Utilization.

WEDNESDAY, MARCH 9

Edward W. Merrill, Massachusetts Institute of Technology. 119 Wallberg Building. 12:30 p.m. Chemical Engineering & Applied Chemistry

Dimnik, Pontifical Institute of Mediaeval Studies. 9 to 10 a.m.

Muscovite Monasticism, T. Allan Smith, Montreal. 10:30 to 11:30 a.m.

Schools of Russian Icon Painting, Sheila Campbell, Pontifical Institute of Mediaeval

Studies. 11:30 a.m. to 12:30 p.m.

Andrei Rublev, film. 2 to 3:30 p.m.

Viewing of exhibit of Russian icons from

the Malcove Collection. 3:30 to 4 p.m.

Early East Slav Literature, Richard Pope,

York University. 4 to 5 p.m. St. George

campus. Registration fee: \$85. Registration information: 978-7051.

Business Board.

MONDAY, MARCH 7

Council Chamber, Simcoe Hall. 5 p.m.

Pearson's Unfinished Agenda.

FRIDAY, MARCH 11 AND

SATURDAY, MARCH 12

A tribute to Lester B. Pearson.

FRIDAY, MARCH 11

Tribute: Quoting the 1957 Nobel Peace Prize presentation, Rt. Hon. Pierre Trudeau; Keynote speaker, University Professor John Polanyi, Department of Chemistry. Bloor St. United Church, 300 Bloor St. W. 7:30 p.m.

SATURDAY, MARCH 12

Peacemaking in the 1990s. Workshops on the four faces of peace described by Pearson: Power; Peacekeeping; Prosperity; Poverty and Development; Policy: Changing Role of the UN; People: Human Rights and Democracy. Emmanuel College, 75 Queen's Park Cres. E. 9 a.m. to 4 p.m. Registration fees: Friday, \$5; Saturday \$20, students \$10. Information: 585-4479. Victoria University

MUSIC

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Vocal Jazz Ensembles.

WEDNESDAY, MARCH 2

Winners of the 1993 Ontario Vocal Festival. Walter Hall. 8 p.m.

Thursday Noon Series.

THURSDAY, MARCH 3

Performance of student compositions. Walter Hall. 12:10 p.m.

THURSDAY, MARCH 10

Performance of student chamber ensembles. Walter Hall. 12:10 p.m.

L'ota del Cairo and Les Mamelles de Tirésias.

FRIDAYS AND SATURDAYS,

MARCH 4 TO MARCH 12

Opera Division double bill; in celebration of the Faculty of Music's 75th anniversary and the 30th anniversary of the opening of the MacMillan Theatre. MacMillan Theatre. 8 p.m. Tickets \$15, students and seniors \$10.

Jazz Combos.

WEDNESDAY, MARCH 9

Chase Sanborn and Roy Patterson, directors. Walter Hall. 8 p.m.

ROYAL CONSERVATORY

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Music Appreciation Series.

WEDNESDAY, MARCH 9

I-Ping Wang, piano. Concert Hall. 8 p.m. Tickets \$9, students and seniors \$6.

AGO Sunday Afternoon Concert.

SUNDAY, MARCH 13

Kent McWilliams, piano. Walter Court, Art Gallery of Ontario. 2 p.m.

~Continued on Page 12~

EVENTS

Continued from Page 11 ~



PLAYS & READINGS

Susan Swan.

MONDAY, MARCH 7

Readings from selected works. 101 Victoria College. 8:30 p.m. SCS

A 15-Year Silence Ends,
Margaret Gibson Returns.

TUESDAY, MARCH 8

Timothy Findley, June Callwood and Robert Fulford: an evening of readings and reminiscing in celebration of Margaret Gibson. Trinity-St. Paul's Church, Bloor St. W. at Robert St. 7:30 p.m. Tickets \$4, students and seniors \$3. U of T Bookstore, TPL and HarperCollins

Bremen Freedom.

WEDNESDAYS TO SUNDAYS,

MARCH 9 TO MARCH 20

By Rainer Werner Fassbinder; translated by Denis Calandra; Jane Gibson, director. Graduate Centre for Study of Drama 1993-94 season. Robert Gill Theatre. Performances at 8 p.m. except Sunday 2 p.m. Tickets \$8, students and seniors \$6; Thursday, pay what you can. Reservations: Monday to Friday, 11 a.m. to 5 p.m., 978-7986.



EXHIBITIONS

SCHOOL OF ARCHITECTURE & LANDSCAPE ARCHITECTURE

Student Work 1.
To MARCH 2

Work of landscape architecture students.

Federico Motterle.

FEBRUARY 28 TO MARCH 17

Work of Federico Motterle, Italian architect. The Gallery, 230 College St. Gallery hours: Monday to Friday, 9 a.m. to 5 p.m.

JUSTINA M. BARNICKE GALLERY HART HOUSE

The Different Faces of Expression: The Obvious and the Ambiguous.

To MARCH 3

Kosso Eloul, sculpture. Both Galleries. Gallery hours: Monday to Friday, 11 a.m. to 7 p.m.; Saturday and Sunday, 1 to 4 p.m.

SCARBOROUGH COLLEGE

Contemporary Art in Scarborough.

To MARCH 11

A joint exhibition with the Scarborough Arts Council. The Gallery. Gallery hours: Monday to Friday, 11 a.m. to 4 p.m.

THOMAS FISHER RARE BOOK LIBRARY

Fiat Lux: Medieval Manuscripts and Early Printed Books in the Thomas Fisher Rare Book Library.

To APRIL 1

A survey of some of the intellectual activity of the Middle Ages through contem-

porary texts. Hours: Monday to Friday, 9 a.m. to 5 p.m.

ROBARTS LIBRARY Photography Exhibition.

MARCH 1 TO MARCH 31

Photographs taken by Middle East & Islamic Studies students while touring Turkey. Lobby, 1st floor.

Romanian Art & Culture 1994.

MARCH 7 TO MARCH 30

A variety of arts and crafts from present-day Romania. Main Display Area. Hours: Monday to Friday, 8:30 a.m. to 12 mid-night; Saturday, 9 a.m. to 10 p.m.; Sunday, 1 to 10 p.m.



MISCELLANY

Re-Orientation.

WEDNESDAY, MARCH 2

Program information forum for undergraduates who have not been accepted into their programs of choice or who wish to change programs. Great Hall, Hart House. 10 a.m. to 4 p.m. Admissions & Awards

The Transition Years Program: What It Means for Ontario Education.

WEDNESDAY, MARCH 2

OISE-Nelson forum with Prof. Andra Cole, OISE; Prof. Andy Hargreaves, OISE; Bob Anderson, Waterloo Region Catholic School Board; Jack Miller, OISE; and Mary Curran, Senator O'Connor College School. 4-412 Ontario Institute for Studies in Education. 1 to 3 p.m. OISE

Intellectual Freedom Day.

FRIDAY, MARCH 4

Points of view on the subject of intellectual freedom and censorship. Speakers: Les Fowlie, retired chief librarian, Toronto Public Library; Carole Leckner, poet; and Philip Marchand, *The Toronto Star*. 205 Claude T. Bissell Building. 2:30 to 5 p.m. Information: 978-4655. FLIS

Celebrity Brunch Series.

SUNDAY, MARCH 6

Ken Dryden, author and lawyer. Faculty Club, South Building, Erindale College. 10 a.m. Tickets \$12, students and seniors \$8. Tickets and information: (905) 828-5286. Residence Dons of Erindale College

Intercollegiate Bridge Tournament.

SATURDAY, MARCH 12 AND

SUNDAY, MARCH 13

Open Pairs sessions: Saturday, 12 noon and 6 p.m.; Swiss Teams, Sunday 11 a.m. Open to all players. Preregistration by March 7. Information: 978-2446.



DEADLINES

Please note that information for Events listings must be received in writing at The Bulletin offices, 21 King's College Circle, 2nd floor, by the following times:

Issue of March 14, for events taking place March 14 to 28: MONDAY, FEBRUARY 28.

Issue of March 28, for events taking place March 28 to April 11: MONDAY, MARCH 14.

BOOKS



The following are books by U of T staff. Where there is multiple authorship or editorship, staff are indicated by an asterisk.

man and teacher lived in Ontario during the stormy years of its history from 1812 to Confederation. He championed the causes of those who resisted the domination of the Family Compact and led the Reformers on the march towards democracy. As a physician he was co-founder of the first medical school in Upper Canada and later established the school which became the medical faculty at the University of Toronto. This narrative of his life also relates his flight from the country in 1837, branded a traitor, and his return to become one of the founders of the Liberal Party of Ontario.

The Child's Discovery of the Mind, by Janet Wilde Astington (Harvard University Press; 256 pages; \$24.95 US cloth, \$9.95 US paper). When do children begin to have insights into their own mental life and those of others? In the last 20 years researchers have challenged Piaget's conclusion that this discovery only

happens after the age of six. This book surveys this area of research, presenting studies that show children between the ages of two and five understand mental representation and highlights the importance of children's discovery of the mind by including a chapter on autistic children, who fail to make this breakthrough.

Language, Minority Education and Gender: Linking Social Justice and Power, by David Corson (Multilingual Matters Ltd, co-published by OISE Press; 256 pages; \$24.50). Taken-for-granted language policies and practices in education often oppress those of little power. This book examines three groups who seem most affected by unfair language practices in education: women and girls, minority cultural groups and minority social groups. It confirms that reforms are urgently needed and offers recommendations for school action that address the interests of all groups concerned.

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(Laughter is gayest where the food is best!)



CLASSIFIED

A classified ad costs \$15 for up to 35 words and \$.50 for each additional word (maximum 70). Your phone number counts as one word, but the components of your address will each be counted as a word. No charge for postal code. A cheque or money order payable to **University of Toronto** must accompany your ad. Ads must be submitted in writing, 10 days before *The Bulletin* publication date, to **Nancy Bush, Department of Public Affairs, 21 King's College Circle, 2nd Fl., Toronto, Ontario M5S 1A1.**

Ads will not be accepted over the phone. To receive a tearsheet and/or receipt please include a stamped self-addressed envelope. For more information please call: 978-2106.

ACCOMMODATION RENTALS AVAILABLE — METRO & AREA —

Re-opened listing! Apartment available. 6-month furnished rental. Yonge/Eglinton area. Large two-bedroom apartment with parking. Utilities included. Available March — August. \$1,000/month. Call: 322-3731.

Toronto house for rent during sabbatical, 5 min. to subway, furnished, 3 bedrooms, 2 baths, rec room, quiet area. \$1,200/month + utilities. Starting approximately Sept. 1, 1994 to Aug. 15, 1995. (416) 699-3924 (evenings) or (416) 736-2100 ext. 66640 (days).

Ideal home for sabbatical visitor. Walking distance to subway, 20 minutes ride to U of T. Detached, fully equipped, furnished house with finished basement and garage. A few minutes' walk to school, swimming pool, skating arena and shopping area. 2 bedrooms upstairs, 1 large bedroom downstairs, 1½ bathrooms. Call 239-0115.

Very private, quiet, partially (or un) furnished and equipped 2-bedroom apartment in attractive Victorian house. Upper duplex on two floors, 1½ baths, 5 appliances. Brunswick/Sussex (a safe neighbourhood), minutes walk to campus. Pet/child welcome. Non-smokers. Available April 1 for flexible period up to 3 years. \$1,385/month + electricity (negotiable). 964-7270.

Eglinton/Avenue. Furnished house, sabbatical rental. Steps to TTC, 15 minutes to U of T. Recently renovated: large eat-in kitchen, family room, fireplace, hottub. 3-4 bedrooms, 3 bathrooms. July-Dec/94. 482-4329 after 6:00 p.m.

Annex 2BR apartment with parking. Quiet residential street half block from Bloor Street and subway. Easy walk to University. In nicely renovated large house, first floor and high-ceilinged basement. Fireplace, porch, laundry. Non-smokers preferred. \$1,100/month plus utilities. Prof. Bob Garrison, 538-3108.

Sabbatical house. Furnished two-bedroom, newly renovated, finished large basement with washroom. One large washroom upstairs, walk-out to deck and garden, eat-in kitchen, washer, dryer, microwave, dishwasher. Parking. Minutes to High Park, shopping, schools, TTC, swimming pool, skating rink. Starting approximately July 15, 1994 to August 1995 or later. \$1,600 inclusive. 763-6246.

Spacious, bright, furnished condominium. 2 bedrooms, 2 bathrooms, balcony with panoramic view, 6 appliances, indoor

pool, parking. Steps to subway, shops, park. Central residential district. \$1,450/month inclusive. Available April. Ideal for sabbatical faculty. 787-8464.

Attractive one-bedroom apartment, completely furnished, ground floor, fireplace. Markham Street, College & Bathurst. Suitable for short- or long-term rental. \$1,000 per month. Call 966-2455.

5-minute walk to U of T, TGH. Furnished 2-bedroom apartment in a rebuilt Victorian house. Skylight, fireplace, south side balcony, air conditioned. Available for 3 months, June, July, August. \$1,500/month. 595-0026 Grace, or 351-1561.

Sabbatical housing available from mid-August/94 to mid-August/95. Large, well-appointed, attractively furnished, main-floor duplex apartment on Avenue Rd., just north of UCC, close to Eglinton Ave. shopping, services. Seven rooms: living, dining, kitchen, large sitting, two studies, bedroom (can become 2 or 3 bedrooms), two bathrooms, air-conditioned, off-street parking, near Avenue Rd. bus. \$1,575 plus partial utilities. Please call 322-3275 and leave message.

High Park. Luxury furnished 3-bedroom home, recreation room, fireplace, secluded garden, garage, 5 min. to subway, 15 min. U of T, close to schools and shopping. Available May '94 — August '95. \$1,675 + utilities. 766-0845.

Sabbatical house, fully furnished. 3 bedrooms plus study, finished basement, 2½ baths, air conditioning, cat. \$1,590 per month plus utilities. Yonge and Steeles area. Available Aug./Sept. for one year. Phone (905) 764-9354.

Available immediately until September. Furnished bachelor. Eat-in kitchen. Clean, secure building. Close to St. George subway, OISE, U of T. \$626 inclusive. 923-6641 ext. 2497 (leave message) or (313) 741-9402.

High Park. \$1,500/month inclusive. Short- or long-term. Executive furnished suite in charming Tudor home. Huge kitchen/family room, formal living- and dining-rooms. Suit professionals. Garden and garage. Subway. Non-smoker. Immediately. 516-0777.

Apartment for rent: Dundas/Shaw. Spacious, attractive 1-bedroom. Main floor of house on quiet street. High ceilings, stained glass, backyard, laundry facilities. Available April 1. \$750/month including utilities. Leave message at 537-7756.

March 7 for 6 months. Cabbagetown designer townhouse. Fully furnished &

equipped. 2 bedrooms, 2 bathrooms + study/office. Garden, deck, garage. \$1,950 monthly including utilities. 364-8358.

Spadina and Harbord. Attractive 1-bedroom renovated duplex on two floors. Has laundry, deck, air conditioning, cable. Suits 1. Available April 1. \$840 plus utilities. 963-8824.

Sublet. April-July (part August negotiable), bright 2-bedroom furnished apartment, top floor house, College/Bathurst, 20 mins. walk U of T, close TTC. Non-smoking. Children welcome. Large living, sunny eat-in kitchen. \$875 monthly including utilities, air cond., laundry. (416) 594-1184.

Sabbatical rental. Furnished 2-bedroom; sun-room/family room; 2 decks, laundry, parking, near High Park & subway; available May 1 — October 15 (negotiable). \$1,200/month & hydro. 924-4646 ext. 3017, 9-5 or 762-1176 after 6 p.m.

Cabbagetown — 2 miles from U of T. Townhouse for rent, 3 bedrooms, 2 bathrooms. Available August 1 (flexible) for 1-2 years. \$1,200 unfurnished or \$1,400 fully furnished (includes beautiful piano) + utilities. Gaye Lewis, 861-9125, 448-3733.

Furnished, detached family home for sabbatical visitor. Yonge/Lawrence area, four bedrooms, family room, 3½ baths, modern eat-in kitchen, fireplace, garage and nanny quarters. Steps to Lawrence subway, Lawrence Park, excellent schools and convenient shopping. Fifteen minutes to U of T by car or subway. Approximately July 1994 to August 1995. \$1,950/month plus utilities. 484-6188.

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ACCOMMODATION SHARED

Large, private, modern, basement suite, partially furnished, private bath and laundry. Share kitchen, dining-living-room with fireplace. Excellent area. No park. \$400 incl. Call 944-2302.

ACCOMMODATION OVERSEAS

Latin Quarter Paris. (Near Sorbonne.) Bright, comfortable apartment, 1 bedroom + study and large living, modern kitchen and

bath. Fully equipped. \$1,500 + utilities. One year or less — September 1, 1994. Tel: (416) 466-0078.

VACATION / LEISURE

Rent last week June to September 30, century fieldstone farmhouse, fully furnished and equipped. Near Orangeville. Four bedrooms. 100 hilly acres, swamp and streams. \$1,000 per month + utilities. Michael Joy, 978-6538.

MISCELLANY

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Healing Hands. Hui He, Registered Massage Therapist. Experienced in Swedish massage, Chinese massage, Japanese Shiatsu. Specialized in treating chronic pain syndrome, injury, fatigue, stress management. Community Chiropractic Centre, 93 Harbord Street, Toronto (near Spadina). 961-2225.

April 13-16, 1994. Sorrow and Strength: The Process. Winnipeg, Manitoba. A conference focused on health care issues concerning childhood sexual abuse. Speakers include Ely Danica, Shirley Turcotte and Dr. Colin Ross. Call Learning Networks (204) 786-1971.

Piano instructor wanted. Long-lapsed student (Grade 8/Grade 2 Theory eons ago) requires lessons from accredited instructor at downtown location. Will request references and negotiation re: time/place/\$. Call 978-5721.

SPRING SPRUCE UP. Specializing in re-positioning your own furniture and possessions. I will enhance the room to look and feel brand-new again without the expense of purchasing new. Ruth Robins Interior Design, 256-0159.

INTERESTED IN THE CASE TEACHING METHOD, but tired of cases not exactly suited to your needs? Professional case writer (BJ, MBA) will develop cases to your specific teaching requirements, quickly and comprehensively. Anne Howland, (416) 256-5947.

Adults (18—70) wanted to attend market research groups. Make \$35 or more cash for 1-2 hours of your consumer opinions. Call 944-9791. It's a fun and easy way to make some extra cash

1994 F.E.L. Priestley Lectures in the History of Ideas

DAVID STAINES

University of Ottawa

"Beyond the Provinces: Literary Canada at Century's End"

Tuesday, March 1
Wednesday, March 2
Thursday, March 3

4:30 p.m., Room 140, University College
15 King's College Circle, University of Toronto

Members of the staff, students and the public are cordially invited

The Faculty of Law, University of Toronto

With the Generous Support of Minden, Gross, Grafstein & Greenstein
The Family and Friends of the late Morris A. Gross, Q.C.,

proudly announces the third

MORRIS A. GROSS Q.C. MEMORIAL LECTURE

**Professor Philip B. Heymann,
Harvard Law School**
Former Deputy Attorney General, United States

"Violence in the U.S.: Policy and Politics"
Thursday, March 3, 1994, 4:00 pm

Faculty of Law, Solarium, 84 Queen's Park, Toronto
All members of the Profession are Invited to Attend

RSVP: Catherine Mazeika, 978-5501

A MEMORIAL SERVICE



will be held for

MICHAEL J. DIGNAM
FORMER CHAIR OF CHEMISTRY

who died suddenly in Adelaide, Australia on
February 11th, 1994

TRINITY COLLEGE CHAPEL
6 HOSKIN AVENUE
2:00 P.M.
FRIDAY, MARCH 4th, 1994



ACADEMIC DONS at TRINITY COLLEGE

Trinity College will appoint up to ten Academic Dons for 1994 - 1995 to offer advisory support to undergraduates in a variety of disciplines in the Humanities, Physical, Life and Social Sciences, Computing and Commerce. Approximately one-third of the duties consists of personal counselling, support services in the residences and participation in the life both of Trinity College (Men) and St. Hilda's College (Women).

Please direct inquiries and applications to Prof. C.J. McDonough, Dean of Arts, Trinity College, 6 Hoskin Ave., Toronto, Ontario M5S 1H8 (Tel: 978-8454).

Deadline for application with two letters of reference is March 8, 1994. Applicants should be enrolled in graduate or professional programs at the University of Toronto. In accordance with its Employment Equity Policy, Trinity College encourages applications from qualified women or men, members of visible minorities, aboriginal peoples and persons with disabilities.

GET DIZZY AFTER DINNER



The Jazz Scene

Weeknights: 10 p.m.

Saturdays: 6 a.m. - Noon/7 p.m. - 10 p.m.

Non-commercial Radio



CJRT-FM

1993 Teetzel Lectures

EDERHARD H. ZEIDLER
Zeidler Roberts Partnership, Architects

"Do We Still Need Architecture? A Status Report at the End of the 20th Century"

Monday, March 7 - The Loss of Human Space in the 20th Century
Tuesday, March 8 - Can Technology Replace Architecture?
Wednesday, March 9 - The Rediscovery of Emotion
Thursday, March 10 - In Search of Human Space

4:30 p.m., Room 140, University College
15 King's College Circle, University of Toronto

Members of the staff, students and the public are cordially invited



Governing Council/ Academic Board Elections

BALLOTS MAILED

During the week of February 14th, ballots were mailed to the following constituencies:

- for the **Governing Council election**
 - to all teaching staff in the Faculty of Medicine
(2-part ballot with the Academic Board election)
 - to all graduate students
- for the **Academic Board election**
 - to all teaching staff in Pharmacy and Dentistry

The election closes at 5 p.m. Tuesday, March 8th, 1994.

If you do not receive a ballot,
please call the Chief Returning Officer at 978-8428.



!!! Announcing !!! Swap Shop is Now Open

desks, chairs, tables, filing cabinets, computers, bookcases, etc.

FREE to U of T community members

open Wednesdays 12:00 pm - 3:00 pm

located at the northeast corner of Spadina and Russell in the basement of South Borden Building, 487 Spadina Avenue

Come out and see what we have!

If you have any surplus equipment or furniture in reasonable condition,
call the Waste Reduction and Recycling Hotline at 978-7080.

it's not waste ... 'til you WASTE it

RESEARCH NOTICES

For further information and application forms for the following agencies, please contact University of Toronto Research Services (UTRS) at 978-2163.

GENERAL

TORONTO JUNIOR BOARD OF TRADE/MUNICIPALITY OF METROPOLITAN TORONTO

Nominations are invited for Gardiner awards for Metro Toronto citizens who have made significant contributions to the development and well-being of our community through their leadership, dedication and achievements in academics, athletics, culture, voluntary service, resolution of social problems or scientific or technological advances. Deadline is March 27.

HUMANITIES & SOCIAL SCIENCES

CANADIAN HERITAGE/CANADIAN STUDIES & SPECIAL PROJECTS DIRECTORATE

Investigators interested in developing Canadian studies learning materials in the following four areas: the uniqueness of Canadian society; the media in Canadian society; Canadian comparisons; and Canada and the world may apply for funding in four categories: (code 101) print; (code 102) film and audio-visual; (code 103) computer-based and computer-assisted; and (code 201) open and distance learning materials using various delivery techniques. Deadline is April 1.

DONNER CANADIAN FOUNDATION

The mission of the Donner Canadian Foundation is "to stimulate innovative thought and action that bear upon the stewardship of Canada's natural and economic resources, our social fabric and our relations with other countries." The foundation is willing to take calculated risks towards new or unorthodox approaches presented by creative researchers as long as the potential for success is reasonable. Program areas are: Canada and the world; linking the environment and the economy (including natural resource management, energy: efficiency and alternatives, the effect of urbanization, Canada's north and strengthening the debate: improving resources in the field); and vital family and community life (including research into changing family organizations and needs, reduction of risk and self-help initiatives). Applicants are requested to submit a preliminary letter of inquiry at any time.

EXTERNAL AFFAIRS & INTERNATIONAL TRADE CANADA

The professional partnerships program has been extended for two more rounds of

competition. The program provides travel grants of up to \$2,000 to faculty and professionals for short-term projects with the general aim of supporting economic and democratic reform in east and central Europe and the former Soviet Union. U of T faculty may apply to travel there or apply on behalf of colleagues from those regions to come here. Letters of invitation from the host institution should be included with the application. Applications may be obtained from IIP (978-1870). Deadlines are March 23 and May 5.

FORD FOUNDATION

The Ford Foundation is dedicated to international peace and to advancing the well-being of people throughout the world. Programs address issues in the United States and abroad, particularly in developing countries. Grants are made in seven categories: urban poverty; rural poverty and resources; rights and social justice; governance and public policy; education and culture; international affairs; and reproductive health and population. Potential applicants are advised to make a brief preliminary inquiry to determine if proposed projects are appropriate.

MEDICINE & LIFE SCIENCES

ATKINSON CHARITABLE FOUNDATION

The foundation offers funding for research in the areas of geriatrics, blindness, deafness and children's diseases. As the foundation accepts two priority-ranked applications only from U of T, an internal review is conducted. Internal deadline is April 1.

PHYSICAL SCIENCES & ENGINEERING

NATURAL SCIENCES & ENGINEERING RESEARCH COUNCIL OF CANADA

Guide books and application forms for the 1994 strategic grants competition are now available at UTRS. The overall objective of the program is to promote and accelerate university research in a small number of strategic areas where it can make a significant and recognizable contribution to Canada's international competitiveness. The areas eligible for support include: advanced technologies (biotechnology, energy, industrial materials, products and processes, information technology and manufacturing systems); natural resources (food, agriculture and aquaculture, forestry, mineral resources and oceans and inland waters); environmental quality; and new directions. (This category will provide

support for a small number of outstanding applications that fall outside of the scope of the other areas. Proposals must involve research of significant socioeconomic benefit to Canada in a new and emerging research area.) For the 1994 competition, there are five key changes: the program objective has been revised to better reflect the pre-competitive nature of the strategic grants program; the mission statements for all the areas have been rewritten but the overall contents of the mission statements have not been significantly changed; the primary evaluation criteria has been modified to include relevance to the program objective (see Advice to Strategic Grants Applicants, 1994 version); applications must be accompanied by at least one statement of interest from the user sector outside the university community; and applicants whose research project will require ship time on a Fisheries & Oceans vessel will be required to submit a ship request form. Please note that only the 1994 version of form 119 will be accepted by NSERC; the 1993 version of form 149 will be accepted. Deadline is April 15.

WILDLIFE TOXICOLOGY FUND

As a partnership between the World Wildlife Fund, Environment Canada and NSERC, WTF is now in place for another three years with approximately \$500,000 available each year. Applications are being received for practical and applied wildlife toxicology research that focuses on establishing the significance of impacts of toxic substances on wildlife and its habitat. Priority areas include: pesticides and pest control practices; the impact of substances from controllable or site-specific sources in a manner that could lead to specific or generic remedial measures; identifying indirect impacts of toxic substances to wildlife and its habitat. The following points are key when preparing an application: focus on identifying and establishing the impacts, significance, sources and environmental pathways of (toxic) chemicals on wildlife and habitat; emphasis on pesticides plus other critical and emerging ecotoxicology issues. Proposals should highlight the potential usefulness of the research for management and policy purposes, i.e., the conservation and protection of wildlife and its habitat. WTF grants must be matched 50-50; researchers must secure funds from sources other than NSERC. Deadline is April 15.

UPCOMING DEADLINES

MARCH 1

Association for Canadian Studies — awards of merit

Banting Research Foundation — research grants

Canadian Genome Analysis & Technology Program — resource centres (full application); research projects, equipment (invited full applications)

Cancer Research Institute (US) — investigator awards

Crohn's & Colitis Foundation of Canada — research grants

Fight for Sight Inc. — post-doctoral fellowships, student fellowships, grants-in-aid

Health & Welfare Canada/NHRDP — MSc and PhD fellowships

Howard Hughes Medical Institute — post-doctoral fellowships for physicians

Juvenile Diabetes Foundation International/Canada — research grants (full application)

MRC — university/industry operating grants, clinical trials, research chairs, visiting program, workshops

NSERC — bilateral exchanges, foreign researcher awards, grants for research abroad

MARCH 4

Canadian Advanced Technology Association — award nominations

MARCH 11

NSERC — summer undergraduate research awards (at UTRS)

MARCH 15

Dysautonomia Foundation Inc. — research grants

Damon Runyon-Walter Winchell Cancer Research Fund — post-doctoral fellowships

Health & Welfare Canada/NHRDP — AIDS research grants

Heart & Stroke Foundation of Canada — science student scholarships, high school student scholarships

MARCH 21

Physicians' Services Incorporated Foundation — research grants

MARCH 23

Health & Welfare Canada/NHRDP — seniors' independence research program

MARCH 31

Health & Welfare Canada/NHRDP — Canada's Drug Strategy

International Cystic Fibrosis — international research projects, scholarships, professorships

NATO — collaborative research grants

APRIL 1

Association for the Advancement of

Automotive Medicine — David R. Foust memorial fund

Baxter Corporation — renal therapy division research grants

Canadian Cystic Fibrosis Foundation — studentships, fellowships

Canadian Genome Analysis & Technology Program — research grants (letter of intent), major equipment, career development, travel grants, workshops/conferences/symposia

Cancer Research Foundation of America — fellowships

Cancer Research Institute (US) — fellowships

Wendy Will Case Cancer Fund — research grants

Hannah Institute — archives/museum studies medical history internship program, special grants (letter of intent)

Louis & Artur Lucian Award — nominations

MRC — studentships (renewal), fellowships (new and renewal), industrial studentships and fellowships, MRC/Schizophrenia Society of Canada fellowships, MRC/NHRDP AIDS research post-doctoral fellowships, MRC groups (new and renewal preliminary proposal), program grants (new and renewal preliminary proposal), development program (phase 2)

Parkinson Foundation of Canada — fellowships, research grants

SSHRC — international summer institutes (internal deadline), aid to occasional scholarly conferences in Canada, travel grants for international representation

APRIL 4

University of Southern California — Tyler prize for environmental achievement

APRIL 5

J.P. Bickell Foundation — research grants (at UTRS)

James H. Cummings Foundation — research support (at UTRS)

Easter Seal Research Institute — fellowships, project grants, training grants

Miles/Canadian Red Cross Society — research grant (invited)

Wildlife Toxicology Fund — research grants

APRIL 30

March of Dimes Birth Defects Foundation — social and behavioural sciences research grants (letter of intent)

Roher Institute — major research grants, graduate students research grants, research grants

PHD ORALS

Graduate faculty please call the PhD oral examination office at 978-5258 for information regarding time and location for these listings.

WEDNESDAY, MARCH 2

Deborah Jean Atchison, Department of Physiology, "Cardiac Autonomic Innervation is Essential for the Chronotropic Effect of Atrial Natriuretic Peptide (ANP)." Prof. U. Ackermann.

FRIDAY, MARCH 4

Winnifred Joyce Assmann, Department of English, "Female Characterization in Thomas Hardy's Early Fiction." Prof. P.R. Allen.

Paul Robert Bessler, Department of French Language & Literature, "Une analyse

morphosyntaxique de l'accord grammatical en français." Prof. Y. Robege.

TUESDAY, MARCH 8

Keith Perry Owen Klassen, Department of Education, "Parent and Child Factors in an Individualized Parent Training Language Intervention: An Evaluation Study." Prof. E.M. Regan.

WEDNESDAY, MARCH 9

Robb Fry, Department of Mathematics, "Approximation on Banach Spaces." Prof. C. Davis.

A-Xing Zhu, Department of Geography, "Soil Pattern Inference Using GIS under Fuzzy Logic." Prof. L. Band.

THURSDAY, MARCH 10

David Ken Asano, Department of Electrical & Computer Engineering, "CPM Transceivers Using a Limiter-Discriminator in Fading Channels." Prof. S. Pasupathy.

MONDAY, MARCH 14

Ronald John Lalonde, Department of Medical Biophysics, "Field Conjugate

Acoustic Lenses for Ultrasound Hyperthermia." Prof. J.W. Hunt.

Sharmila Mhatre, Department of Community Health, "Future Developments in Canada's Health Care System: Stakeholders Perceptions." Prof. R.B. Deber.

TUESDAY, MARCH 15

Raymond Lew, Department of Chemical Engineering & Applied Chemistry, "Polyolefin Extrusion Processing: Monitoring Using Size Exclusion Chromatography and

In-Line Near Infrared Spectroscopy." Prof. S.T. Balke.

Jason Harold Mateika, Department of Physiology, "An Investigation of the Mechanisms Responsible for the Control of Respiration during Exercise." Prof. J. Duffin.

WEDNESDAY, MARCH 16

Peter John Gentry, Department of Near Eastern Studies, "Analysis of the Revisor's Text of Greek Job." Profs. J.W. Wevers and A. Pietersma.

THE LAST CHOICE

Euthanasia promises to be just as controversial as abortion

BY ROBERT SALTER

The following is an excerpt, edited by The Bulletin, from the David Keys Memorial Lecture delivered by University Professor Emeritus Robert Salter at Trinity College on Jan. 10, entitled *Euthanasia: A Personal Perspective*:

EUTHANASIA HAS BEEN PRACTISED IN SOME form or another for many centuries, but it is only during the past few decades that the broad subject of euthanasia has created a dramatically increasing interest among such professionals as physicians, scientists, philosophers, ethicists and theologians and also among lay persons of the general public. Indeed in the 1990s euthanasia has replaced abortion as the most volatile ethical issue in North America.

In Canada this increased interest is due, in part, to court decisions that give an individual the right to refuse life-sustaining treatment; the debate in Parliament of two private member's bills concerning euthanasia and assisted suicide; and a Supreme Court split decision denying a patient — Sue Rodriguez — the right to assisted suicide. In addition various polls indicate that an increasing number of Canadians would support euthanasia or physician-assisted suicide, or both. The remarkable tolerance of euthanasia in the Netherlands has also contributed to the increased interest.

When pondering issues of a moral and ethical nature, each of us reacts on the basis of a number of personal background factors that vary widely from individual to individual; factors such as our heredity, upbringing, education, religious faith and our own experiences in life, all of which influence our philosophy concerning our attitude towards our fellow human beings.

New moral and ethical dilemmas have been raised by our medical profession's growing ability to increase longevity through altering the course of many serious illnesses; to perform successful cardiopulmonary resuscitation, transplant essential organs, maintain life by assisted respiration and manipulate genes.

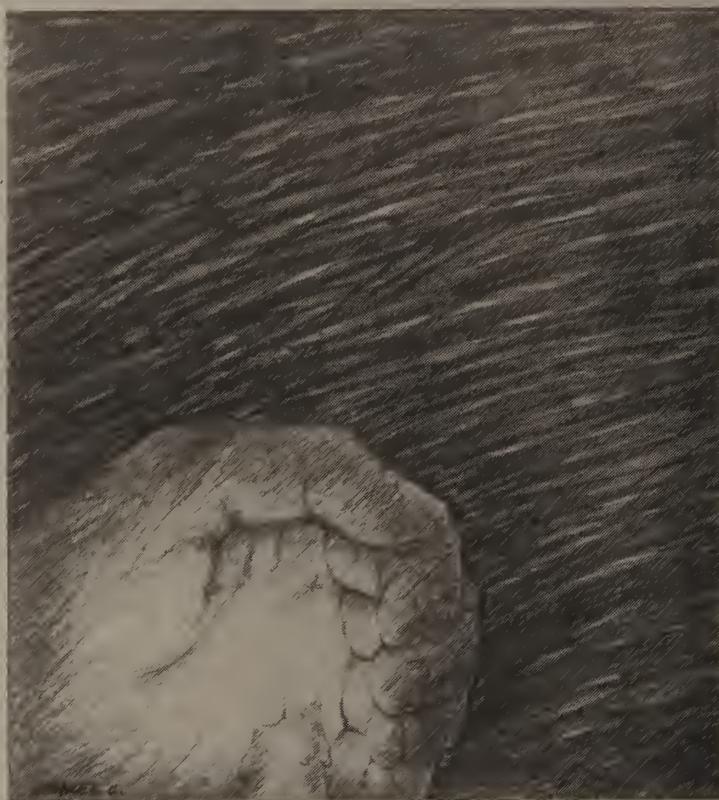
Coupled with these developments are recent changes in sociological patterns — a gradually diminishing acceptance of formal religion, an increase in selfishness, hedonism, materialism and permissiveness.

A third dimension concerns what is best described as the "art" of medicine. Sir William Osler, one of the most outstanding physicians Canada has ever produced, once wrote that "the Practice of Medicine is an Art — based on Science." During the past few decades there has been increasing emphasis on the science of medicine and at the same time decreasing emphasis on the art; this shift in emphasis has created many problems not the least of which is a deterioration in the public image of the medical profession.

Thus we are faced today by many moral and ethical dilemmas — the word dilemma in this context meaning "a perplexing predicament, a necessary choice between two conflicting alternatives." Under these circumstances there are no easy or simplistic solutions, only intelligent decisions based on reasonable and ethical premises. The term "ethics" has been variously defined as the "study of moral philosophy" or "rules of conduct applied to a particular group" but Dr. Francis Peabody has stated that "to be ethical is simply to follow The Golden Rule" (do unto others as you would have others do unto you), a concept to which I ascribe. The term "bioethics" refers, of course, to ethics relevant to human life.

AMONG PHYSICIANS THERE ARE CONFLICTING VIEWS. Some support, others oppose, euthanasia and assisted suicide, and many others are undecided. Those who are opposed to euthanasia feel that it conflicts with the traditional role of the physician as a healer whose function is to enhance health and preserve life. It is not surprising that a subject as important and emotionally charged as euthanasia has become so controversial. Unfortunately some of the arguments are based on misinformation.

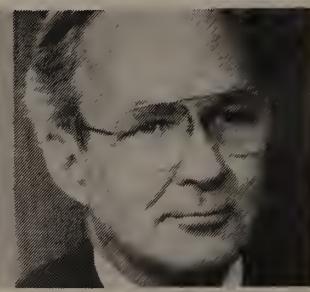
For example, people may favour euthanasia because they



are afraid of unbearable pain and suffering, have guilty feelings about being a burden to others and dread the indignity of a dehumanizing vegetative state. These fears of course are greatly diminished by exemplary palliative care in a hospice-type setting.

Those opposed to euthanasia, and especially its legalization, are concerned that what is now voluntary euthanasia may eventually become non-voluntary (proxy decision-makers requesting euthanasia because they believe it is in the patient's best interests) and even involuntary euthanasia (against the patient's wishes).

Physicians who favour voluntary active euthanasia and its legalization do so because they believe that the patient's perceived right to personal autonomy, or self-determination, extends to a request for active euthanasia. Also they may wish to provide absolute relief of pain for a terminally ill patient who is experiencing progressively unbearable pain. Such compassion and desire to relieve the dying patient's pain and suffering are of course shared by those physicians who are opposed to euthanasia and its legalization but who prefer the option of exemplary and highly effective palliative care.



IMAGINE A DOCTOR-PATIENT
RELATIONSHIP WHEN THE PATIENT
IS NOT CERTAIN WHETHER
THE PHYSICIAN COMES
TO COMFORT OR TO KILL

Physicians, ethicists and theologians who are opposed to euthanasia and its legalization may worry about the diminution of trust. One can imagine the effect on the doctor-patient relationship when the patient would never be certain whether the physician was making a visit to the bedside to comfort or to kill.

HAVING GIVEN THE MATTER OF THE CARE OF THE dying much serious thought, I have come to the firm conclusion that I can accept with equanimity two practices that others may consider to be examples of passive euthanasia: one, to relieve pain and other forms of suffering by administering increasingly larger doses of drugs when necessary to achieve that therapeutic goal. Two, to withhold or withdraw extraordinary forms of treatment that are considered to be medically futile. In addition I support with enthusiasm the practice of palliative care in a hospice setting. Indeed I consider exemplary palliative care to be the ideal alternative to active euthanasia and physician-assisted suicide.

I have also come to the firm, but not completely rigid, conclusion that I cannot accept either active euthanasia (usually by means of injection with the intent to terminate the patient's life) or physician-assisted suicide (physician providing advice or means to commit suicide), even when they are voluntary. I am even more strongly opposed to active euthanasia that is non-voluntary let alone that which is involuntary. Consequently I am also opposed to the legalization of both active euthanasia and physician-assisted suicide.

Having come to these firm conclusions on the basis of a combination of theological and ethical considerations, I am still deeply concerned about that very small percentage of dying patients whose pain and suffering are so extreme that our currently available drugs, even in large doses, are inadequate to provide adequate relief. Under these very rare circumstances, the administration of sufficiently large doses of drugs that may well hasten the process of dying would seem justifiable.

Some consequences of legalized euthanasia and physician-assisted suicide are predictable and awesomely disturbing: for one thing it is fair to expect a decreasing reverence for the value of human life. There are also potential abuses of legalized voluntary euthanasia such as a gradual acceptance of non-voluntary and even involuntary euthanasia. And there is the potential for relatives or others to pressure the elderly, the chronically ill and the permanently disabled to request "voluntary" euthanasia. Indeed such persons might be made to feel guilty if they do not give in to the pressure of such suggestions.

The predictable consequences of legalized euthanasia and physician-assisted suicide are often referred to as indications of the so-called "slippery slope" phenomenon. However, with increasing pressures in Canada and many other countries for such legalization, what was once a theoretical "slippery slope" has become what I would call a "perilous precipice."

Those of us who most strongly oppose the legalization of active euthanasia and physician-assisted suicide should accept the challenge of offering some positive recommendations concerning viable alternatives.

I recommend that more research be undertaken on the various types of pain and forms of suffering as well as on more effective drugs to relieve severe pain and suffering. Further I propose that more first-class palliative care units be provided and that centres for bioethics receive increased financial support. More emphasis should be placed on the teaching of relevant bioethics to undergraduate medical students, post-graduate residents and practising physicians and greater efforts should be made to educate the general public about the various options available to the dying.

All of us, whether professionals or lay persons, whether on one side or the other of the controversy, can readily support the concept of kindly and compassionate care of the dying. As we contemplate the potential risks and hazards of legalized active euthanasia and physician-assisted suicide, however, we would do well to reflect on the wise words of the brilliant philosopher of science, Sir Julian Huxley, who wrote: "Change must come; it can, in balance be good; it is our business to try to guide it and to ensure that it shall not be merely change, but also that it be progress."

Robert Salter is an orthopaedic surgeon and scientist in the Department of Surgery and at the Hospital for Sick Children.